

SERVICE
MANUAL 2235

marantz

model 2235

Stereophonic Receiver

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INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for Marantz Model 2235 Stereophonic Receiver.

Servicing information and voltage data included in this manual are intended for use by the knowledgeable and experienced technician only. All instruction should be read carefully. No attempt should be made to proceed without a good understanding of the operation in the receiver.

The parts list furnishes information by which replacement part may be ordered from the Marantz Company. A simple description is included for parts which can be usually be obtained through local suppliers.

1. P.W. BOARD

As can be seen from the circuit diagram, the chassis of Model 2235 consists of following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram.

- | | |
|---|-----------------------------|
| 1. FM Front End | mounted on P.W. Board, P100 |
| 2. AM Tuner | mounted on P.W. Board, P150 |
| 3. FM IF Amplifier | mounted on P.W. Board, P200 |
| 4. MPX Stereo Decoder | mounted on P.W. Board, P300 |
| 5. Dolby Level | mounted on P.W. Board, PC01 |
| 6. Antenna Muting | mounted on P.W. Board, PU01 |
| 7. Function Lamp | mounted on P.W. Board, PY01 |
| 8. Dial Lamp | mounted on P.W. Board, PZ01 |
| 9. Dolby FM, Monitor, Mono and Hi Filter Switch | mounted on P.W. Board PH01 |
| 10. Loudness, FM Muting, Main and Remote Speaker Switch | mounted on P.W. Board, PT01 |
| 11. Phono Amplifier | mounted on P.W. Board, P400 |
| 12. Pre and Tone Amplifier | mounted on P.W. Board, PE01 |
| 13. Main Amplifier | mounted on P.W. Board, P700 |
| 14. Power Supply | mounted on P.W. Board, P800 |

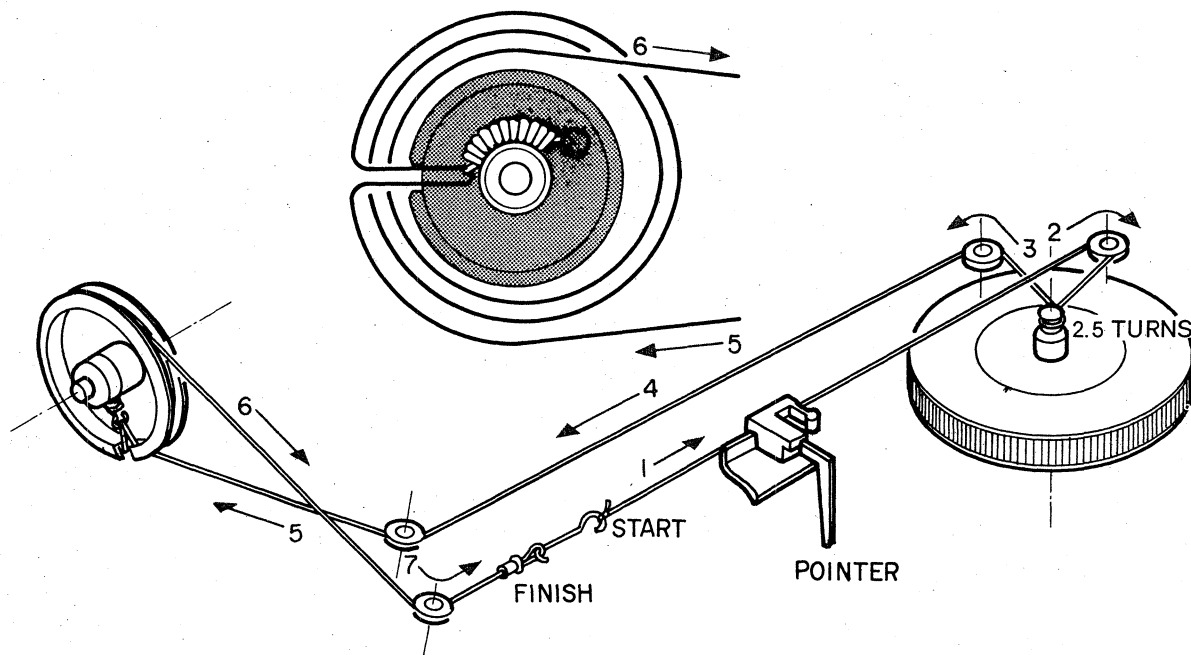


Figure 1. Dial Stringing

2. TEST EQUIPMENT REQUIRED FOR SERVICING

Table 1 lists the test equipment required for servicing the Model 2235 Receiver.

Table 1. Test Equipment Required for Servicing

| Item | Manufacturer and Model No. | Use |
|---|---|---|
| AM Signal Generator | | Signal source for AM alignment. |
| Test Loop | | Used with AM Signal generator. |
| FM Signal Generator | Less than 0.3% distortion | Signal source for FM alignment. |
| Stereo Modulator | Less than 0.3% distortion | Stereo separation alignment and trouble shooting. |
| Frequency Counter | | MPX Oscillator adjustment (VCO). |
| Audio Oscillator | Weston Model CVO-100P, less than 0.02% residual distortion is required. | Sinewave and squarewave signal source. |
| Oscilloscope | High sensitivity with DC horizontal and vertical amplifiers. | Waveform analysis and trouble shooting and ASO alignment. |
| VTVM | With AC, DC, RF range | Voltage measurements. |
| Circuit Tester | | Trouble shooting. |
| AC Wattmeter | Simpson, Model 380 | Monitors primary power to Amplifier. |
| AC Ammeter | Commercial Grade (1-10A) | Monitors amplifier output under short circuit condition. |
| Line Voltmeter | Commercial Grade (0-150V AC) | Monitors voltage of primary power to amplifier. |
| Variable Autotransformer (0-140V AC, 10 amps) | Powerstat, Model 116B | Adjusts level of primary power to amplifier. |
| Shorting Plug | Use phono plug with 600 ohm across center pin and shell. | Shorts amplifier input to eliminate noise pickup. |
| Output Load (8 ohms, $\pm 1\%$ 100W) | Commercial Grade | Provides 8-ohm load for amplifier output termination. |
| Output Load (4 ohms, $\pm 1\%$ 100W) | Commercial Grade | Provides 4-ohm load for amplifier output termination. |

3. AM ALIGNMENT PROCEDURES

3.1 AM IF Alignment

1. Connect a sweep generator to the J153 and an alignment scope to the test point R167 (outside).
2. Rotate each core of IF transformer L153 for maximum height and flat top symmetrical response.

3.2 AM Frequency Range and Tracking Alignment

1. Set AM signal generator to 515kHz. Turn the tuning capacitor fully closed (place the tuning pointer at the low end) and adjust the oscillator coil L152 for maximum audio output.
2. Set the signal generator to 1650kHz. Place the tuning pointer in the high frequency end and adjust the oscillator trimmer on the oscillator tuning capacitor for maximum audio output.

3. Repeat the steps 1 and 2 until no further adjustment is necessary.
4. Set the generator to 600kHz and tune the receiver to the same frequency and adjust a slug core of AM ferrite rod antenna and RF coil L151 for maximum output.
5. Set the generator to 1400kHz and tune the receiver to the same frequency and adjust both trimming capacitors of antenna and RF tuned circuit for maximum output.
6. Repeat the steps 4 and 5 until no further adjustment is necessary.

Note: During tracking alignment reduce the signal generator output as necessary to avoid AGC action.

3.3 AM Signal Strength Meter Adjustment

Set the AM Signal generator to 1000kHz with 5K μ V, and adjust R178 so that the signal strength meter may read 80% of the full scale.

4. FM ALIGNMENT PROCEDURES

1. Connect an FM signal generator to the FM ANTENNA terminals and an oscilloscope and an audio distortion analyzer to the TAPE 1 MONITOR OUT jacks on the rear panel.
2. Set the FM SG to 87MHz and provide about 3 to 5 μ V. Place the tuning pointer at the low frequency end by rotating the tuning knob and adjust the core of oscillator coil L104 to obtain maximum audio output.
3. Set the FM SG to 109MHz and provide about 3 to 5 μ V output. Rotate the tuning knob and place the tuning pointer at the high frequency end and adjust the trimming capacitor C106 for maximum output.
4. Repeat the steps 2 and 3 until no further adjustment is necessary.
5. Set the FM SG to 90MHz and tune the receiver to the same frequency. Decrease signal generator output until the audio output level decreases with the decreasing generator output. Adjust the antenna coil L101, RF coils L102 and L103 and IF transformer L106 for minimum audio distortion.
6. Set the FM SG to 106 MHz and tune the receiver to the same frequency. Adjust the trimming capacitor C102, C104 and C105 for minimum distortion.
7. Repeat the steps 5 and 6 until no further adjustment is necessary.
8. Adjust the secondary core (upper) of discriminator transformer L201 so that the center tuning meter pointer indicates its center at no signal applied. Set the FM SG to 98MHz and increase its output level to 1K μ V and tune the receiver to the same frequency so that the center tuning meter pointer indicates its center. Adjust the primary core (lower) of L201 for minimum distortion.
9. Set the FM SG to 98MHz with 100K μ V, and adjust R374 so that signal strength meter may read 90% of the full scale.

5. STEREO SEPARATION ALIGNMENT PROCEDURES

1. Set the FM SG to provide 1K μ V at 98MHz. Tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
2. Turn the FM SG modulation off (with the pilot signal turned off), connect a frequency counter to the test point J310, and adjust R311 so that the frequency counter may precisely read 19kHz.
3. Modulate the FM SG with stereo composite signal consisting of only subchannel signal (of course a pilot signal must be included).
4. Adjust the trimming resistor R301 for maximum and same separation in both channels.

6. MUTING CIRCUIT ALIGNMENT PROCEDURES

1. Connect a VTVM to across the resistor R363 and adjust the resistor R363 until the meter reads 0.75V DC at no signal.

2. Set the FM SG to provide $1\text{K}\mu\text{V}$ at 98MHz and tune the receiver to the same frequency correctly.
3. Turn on MUTING pushswitch. Shift the FM signal generator frequency to plus and minus and note both plus and minus shifted frequencies at which undesirable audio side responses are muted out. Adjust the R363 so that the same shifted frequencies mute the undesirable side response.
4. Adjust R362 for proper frequency shift at which the muting circuit operates.

7. DOLBY FM TAPE OUTPUT SETTING

1. Set the modulation of FM SG to 400Hz, 50% ($\pm 37.5\text{kHz}$ Dev.).
2. Set the FM SG to provide $1\text{K}\mu\text{V}$ at 98MHz. Tune the receiver to the same frequency so that the center tuning meter pointer indicates its center.
3. Turn on DOLBY FM pushswitch. Set the semifixed resistors RC01 and RC02 so that each output of the TAPE OUT jacks R and L become 580mV at VTVM.

8. AUDIO ADJUSTMENT

8.1 Main Amplifier DC Offset Alignment

Connect a DC voltmeter with 0.5 or 1V range between the SPEAKER terminals and adjust the trimming resistor R713 for "zero" DC output on the meter.

Repeat the same procedure for the other channel.

Note: During this alignment no load should be connected to the SPEAKER terminals.

8.2 Idle-Current Adjustment

Connect a VTVM between pins J713 and J717. Next, adjust the trimming resistor R766 for the VTVM reads 8mV DC.

Repeat the same procedure for the other channel.

Note: During this alignment no load should be connected to the speaker terminals.

8.3 Main Amplifier DC Offset Re-Alignment

Check the DC offset voltage aligned in the section 8.2 and if any DC output is observed on the DC voltmeter, adjust R713 again for "zero" output.

9. AUTOMATIC VOLTAGE REGULATOR ADJUSTMENT

Connect a VTVM to J804 (+) and J805 (—) and adjust R806 until the VTVM reads 35V under no signal condition.

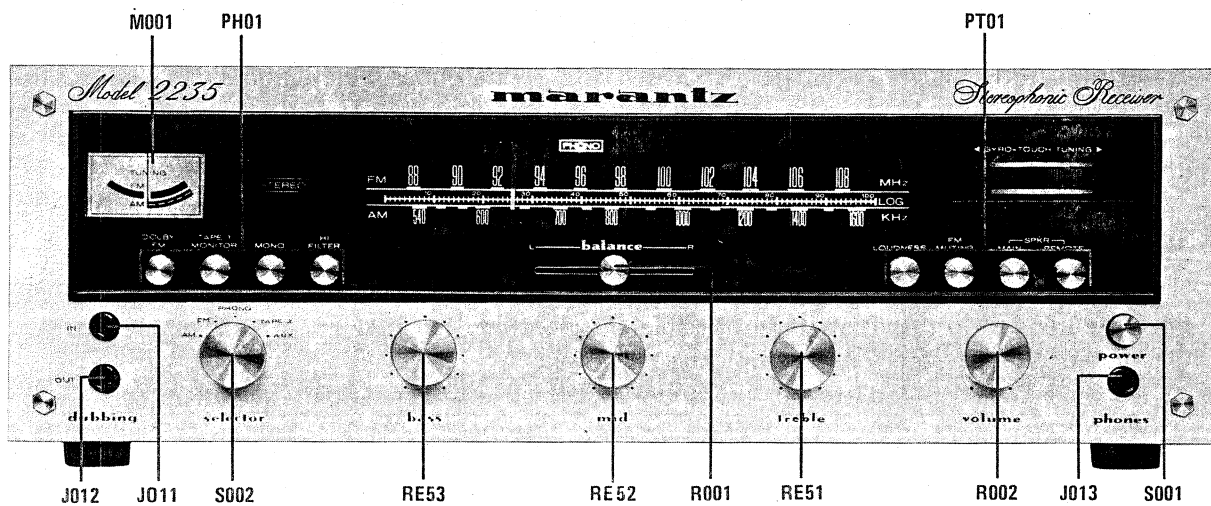


Figure 2. Front Panel Adjustment and Component Locations

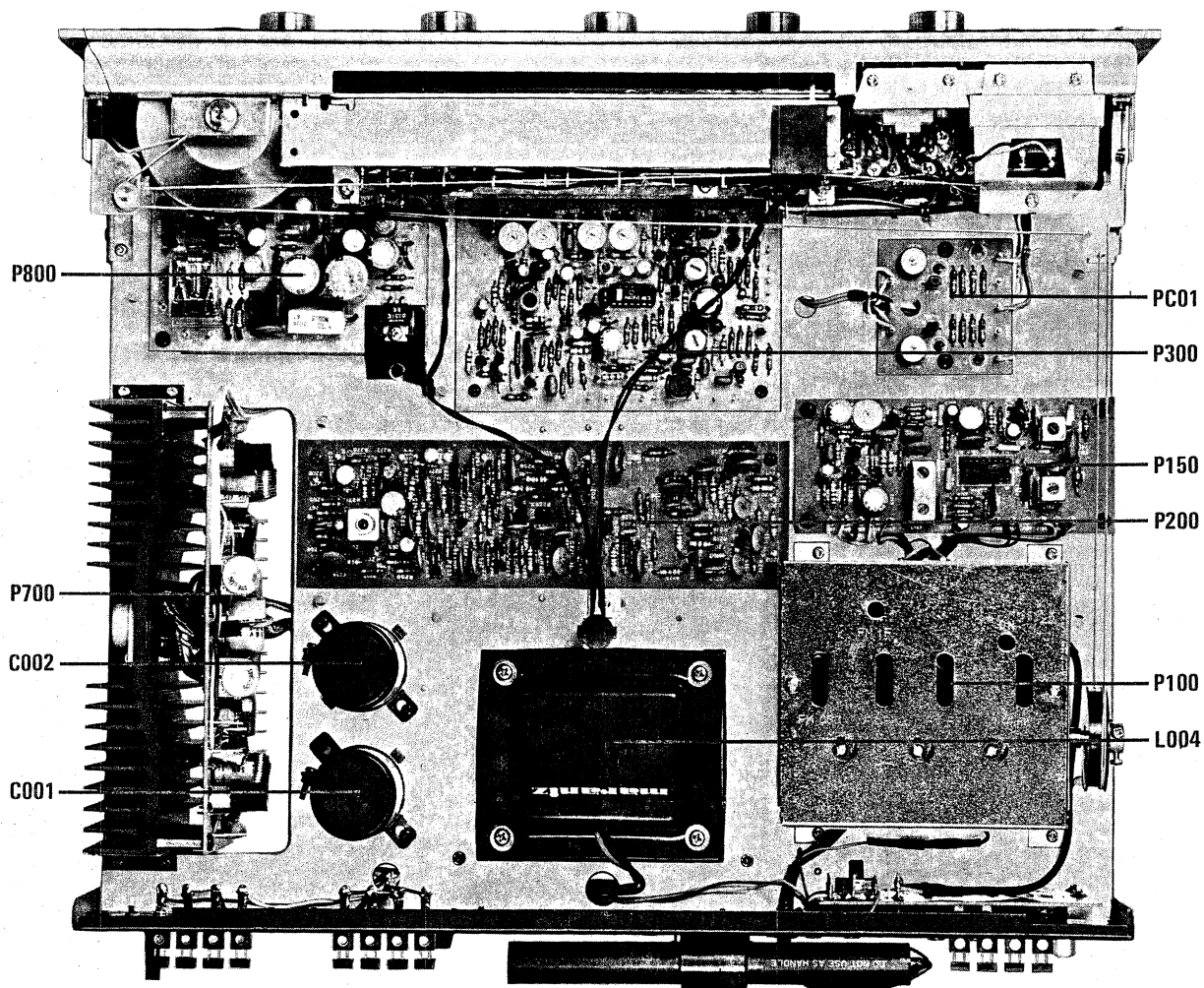


Figure 3. Main Chassis Component Locations (Top View)

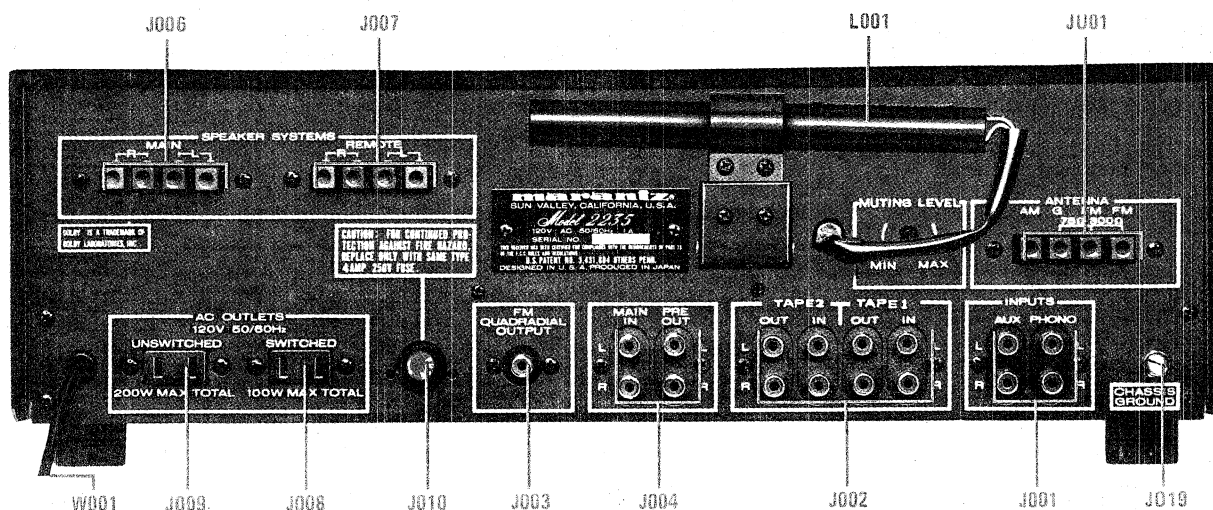


Figure 4. Rear Panel Jacks and Component Locations

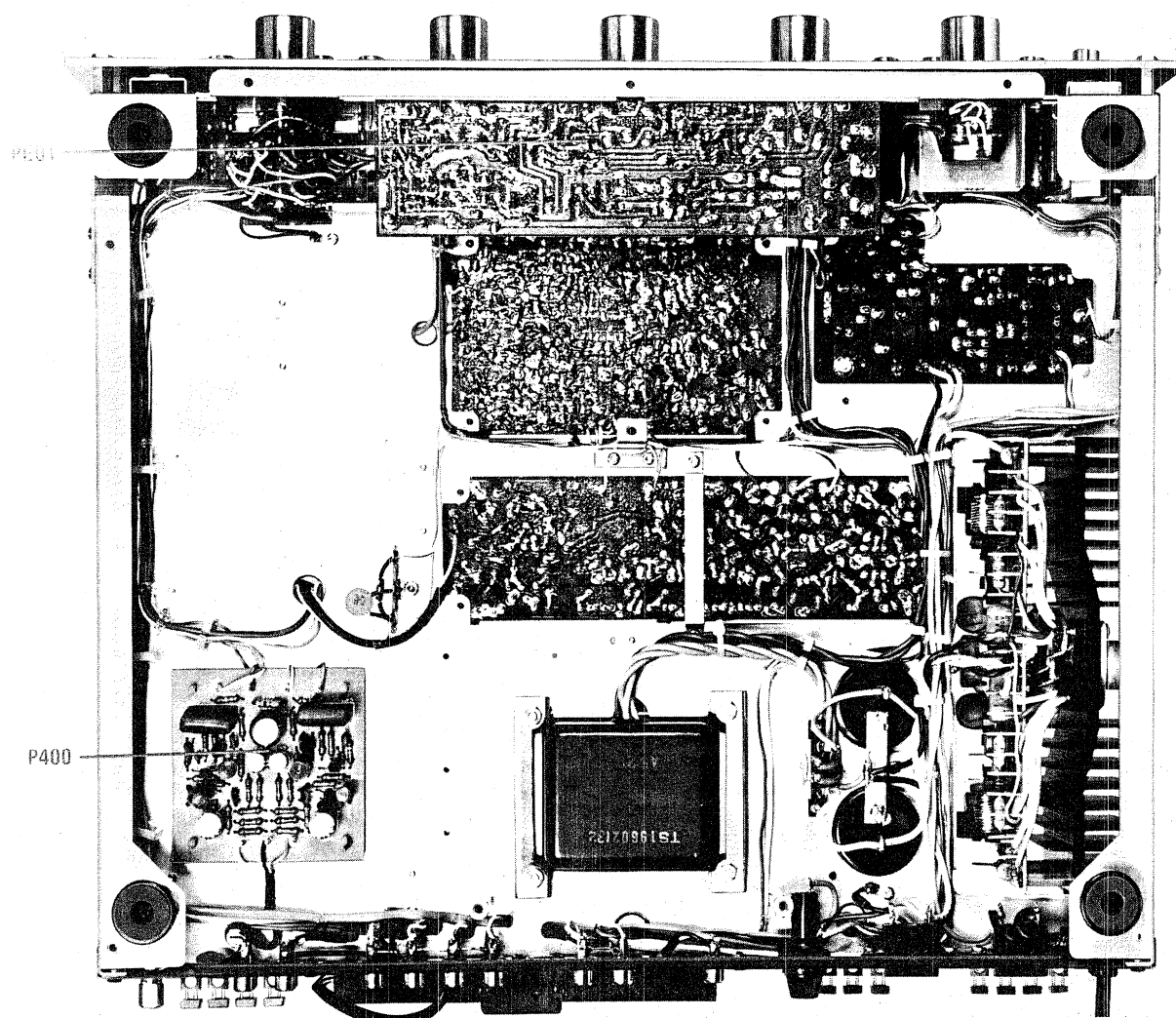


Figure 5. Main Chassis Component Locations (Bottom View)

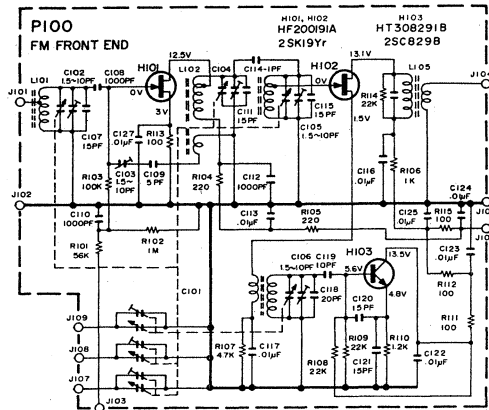


Figure 6. P100 Circuit Diagram

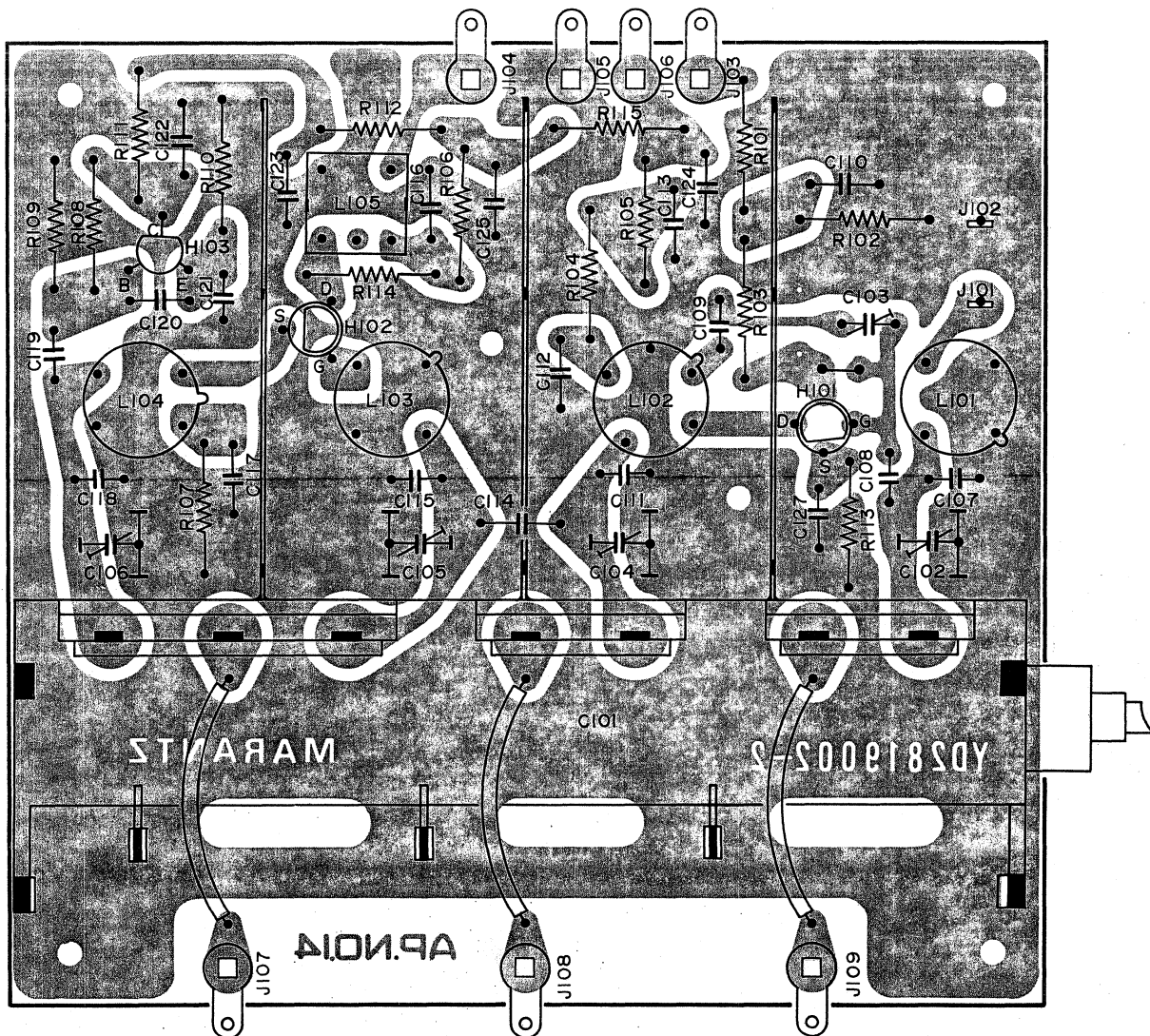


Figure 7. FM Front End Board – P100 Component Assembly Diagram

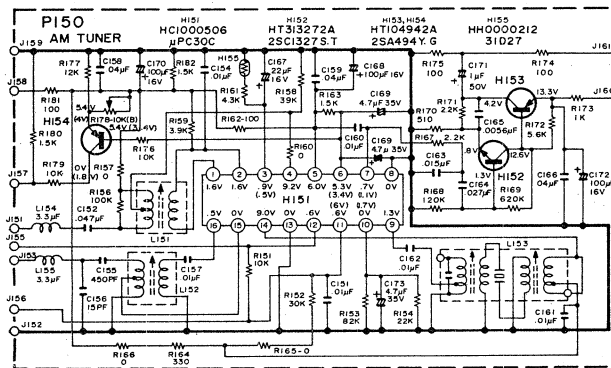


Figure 8. P150 Circuit Diagram

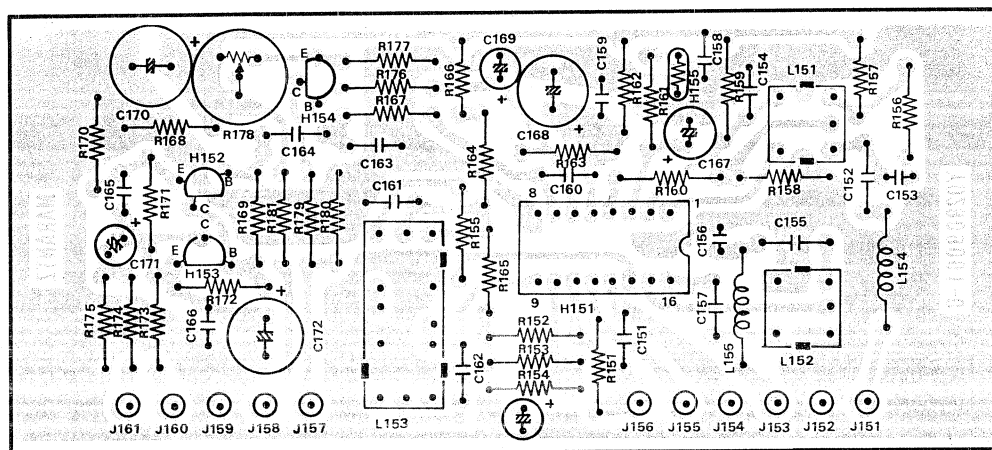


Figure 9. AM Tuner Board – P150 Component Assembly Diagram

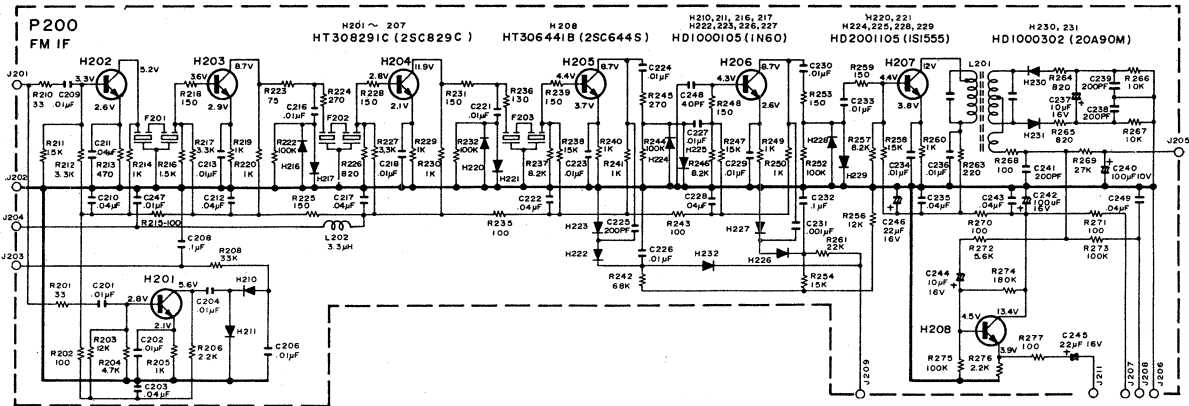


Figure 10. P200 Circuit Diagram

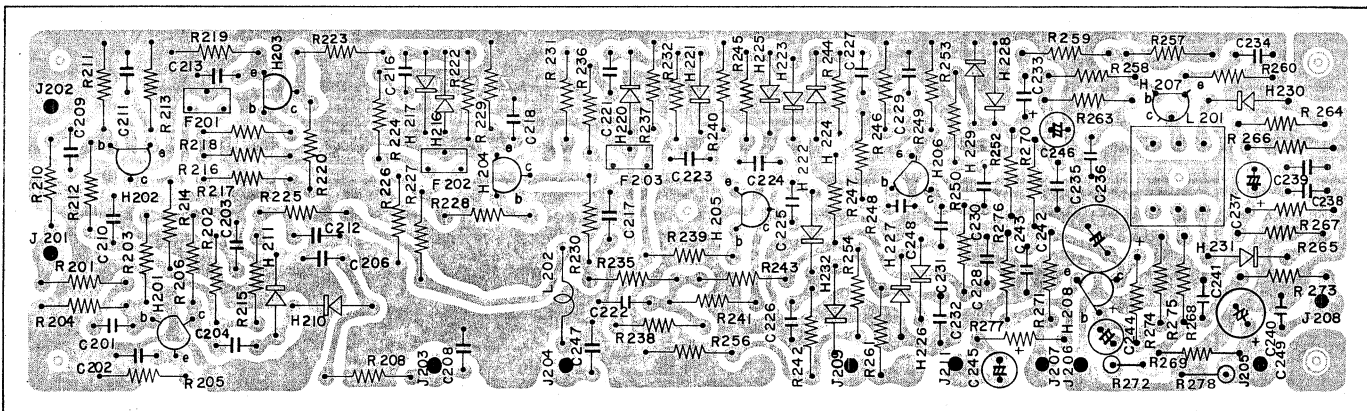


Figure 11. FM IF and Detector Board – P200 Component Assembly Diagram

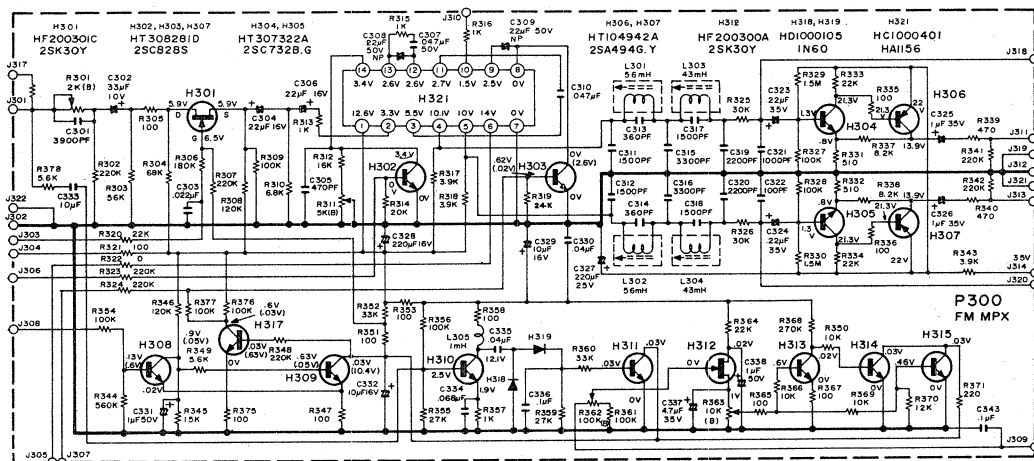


Figure 12. P300 Circuit Diagram

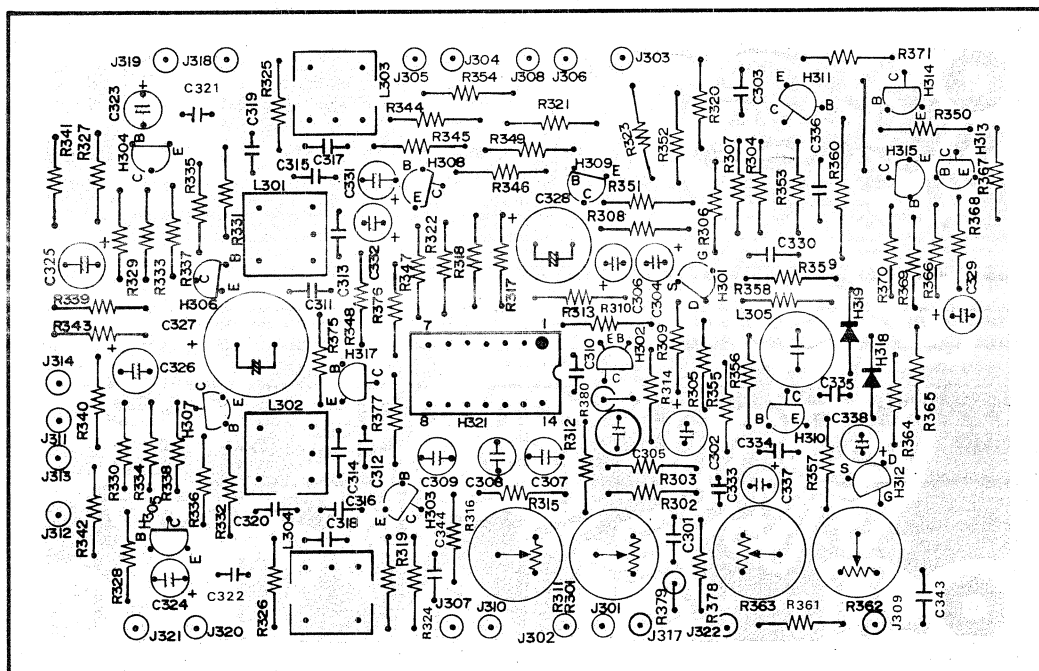


Figure 13. FM Multiplex and Muting Board – P300 Component Assembly Diagram

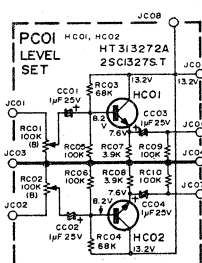
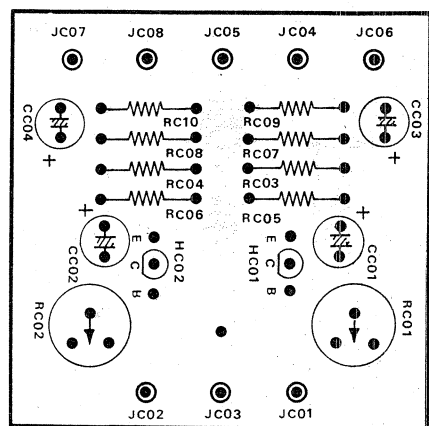


Figure 14. PC01 Circuit Diagram

Figure 15. Dolby Level Board – PC01 Component Assembly Diagram



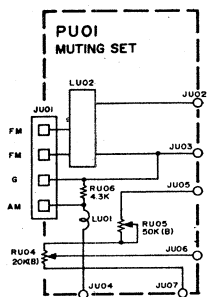


Figure 16. PU01 Circuit Diagram

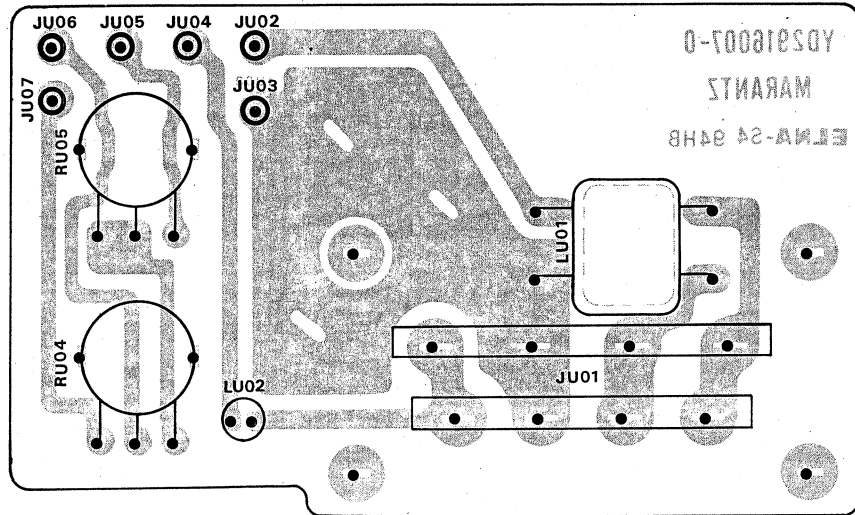


Figure 17. Antenna Muting Board – PU01 Component Assembly Diagram

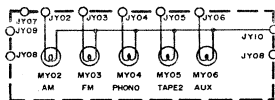


Figure 18. PY01 Circuit Diagram

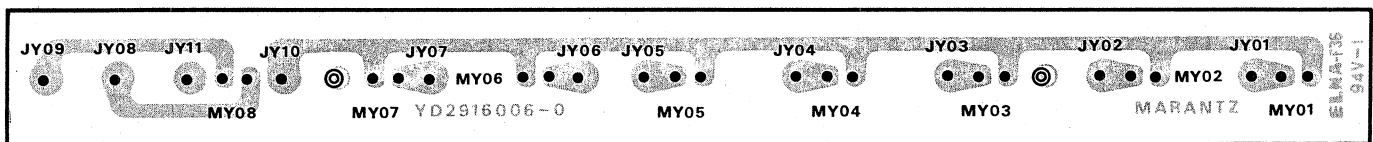


Figure 19. Function Lamp Board – PY01 Component Assembly Diagram

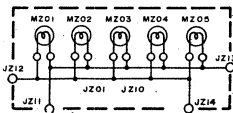


Figure 20. PZ01 Circuit Diagram

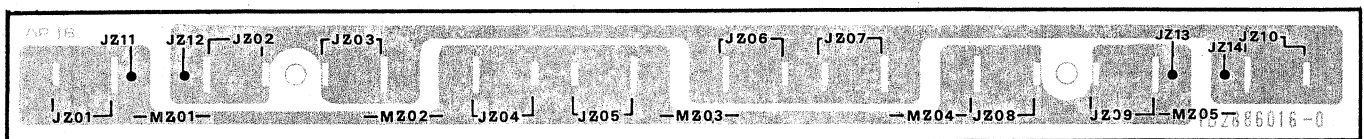


Figure 21. Dial Lamp Board – PZ01 Component Assembly Diagram

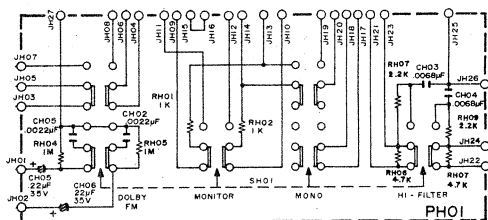


Figure 22. PH01 Circuit Diagram

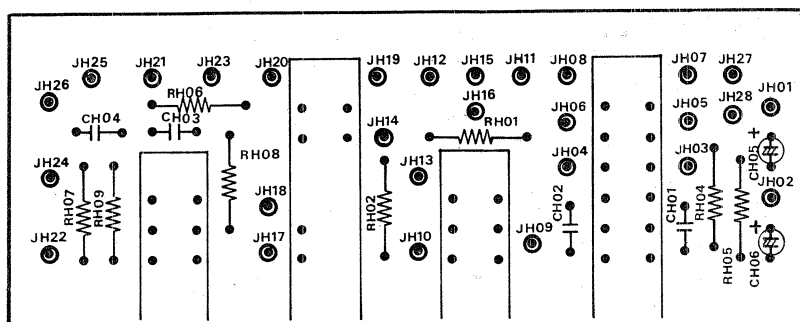


Figure 23. Dolby FM, Monitor, Mono and Hi Filter Switch Board – PH01 Component Assembly Diagram

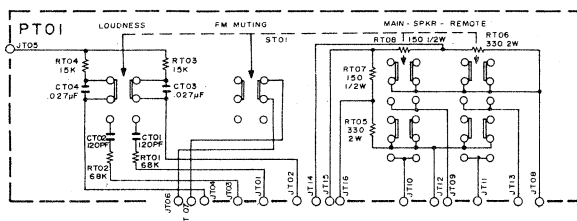


Figure 24. PT01 Circuit Diagram

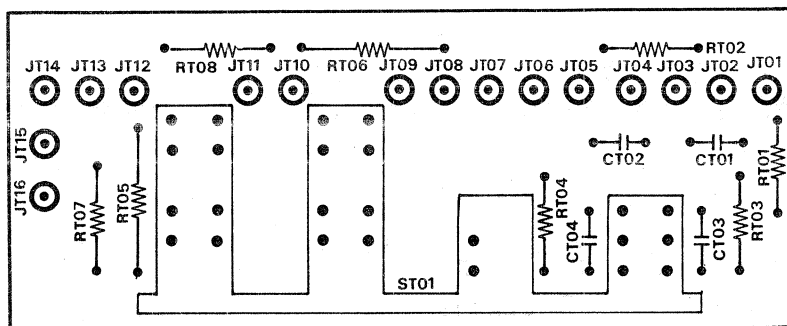


Figure 25. Loudness, FM Muting, Main and Remote Speaker Switch Board – PT01 Component Assembly Diagram

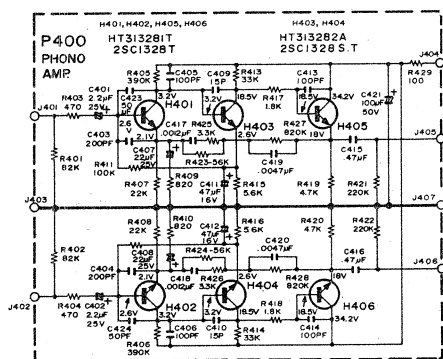
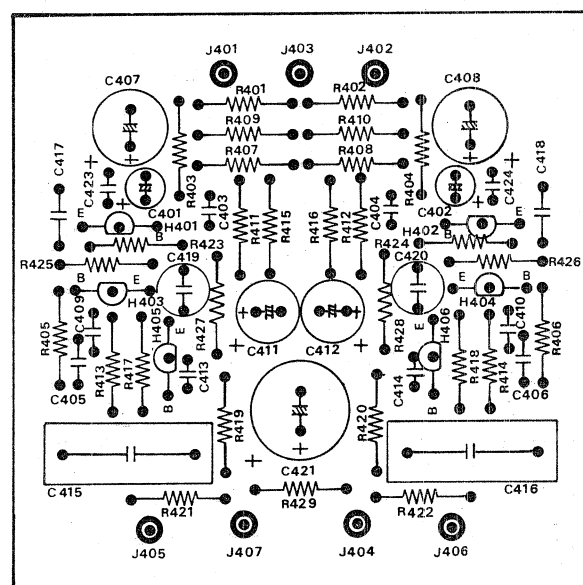


Figure 26. P400 Circuit Diagram



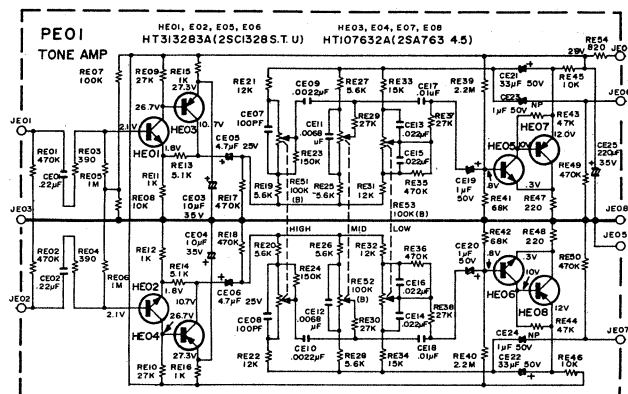


Figure 28. PE01 Circuit Diagram

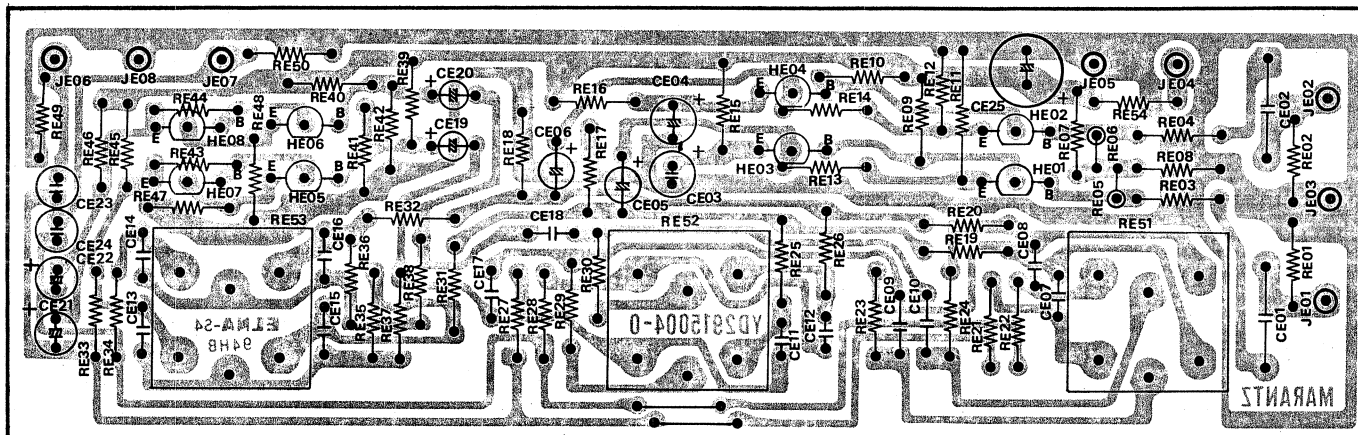


Figure 29. Pre and Tone Amplifier Board – PE01 Component Assembly Diagram

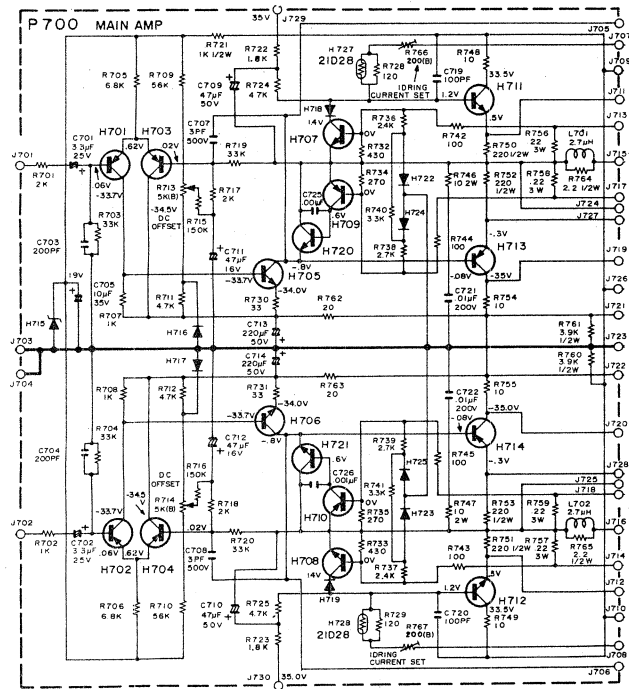


Figure 30. P700 Circuit Diagram

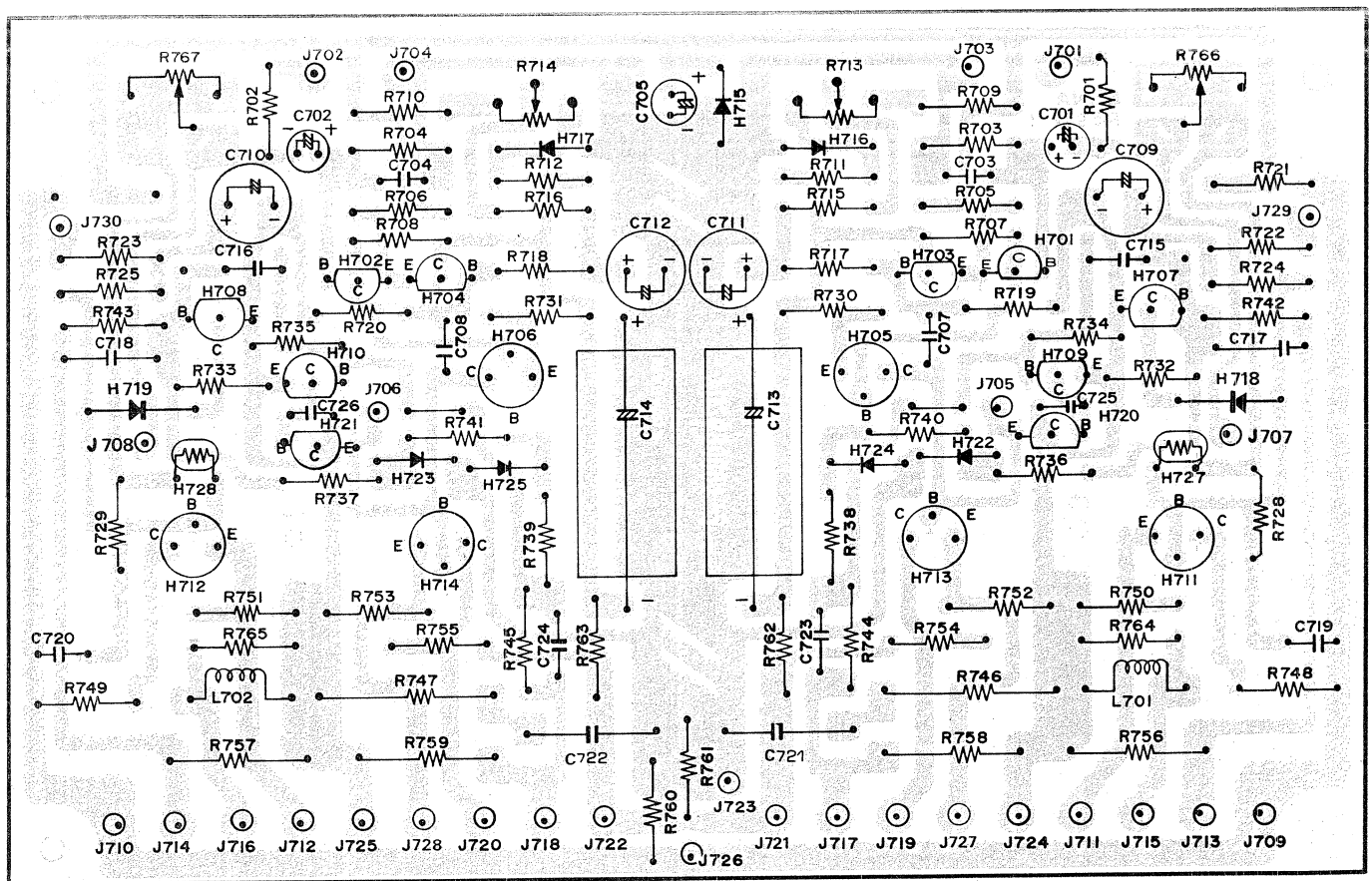


Figure 31. Main Amplifier Board - P700 Component Assembly Diagram

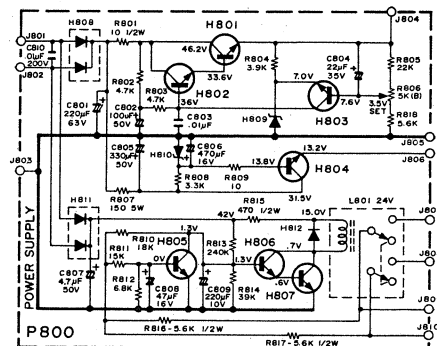


Figure 32. P800 Circuit Diagram

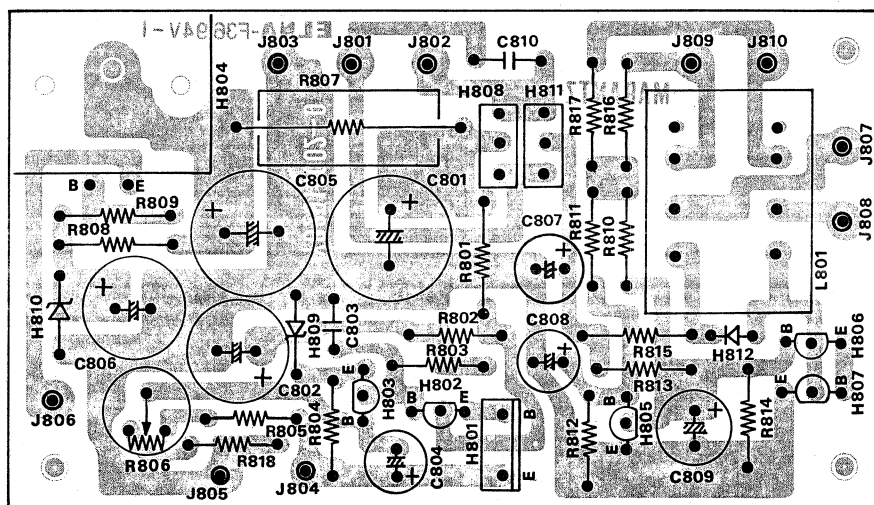


Figure 33. Power Supply Board – P800 Component Assembly Diagram

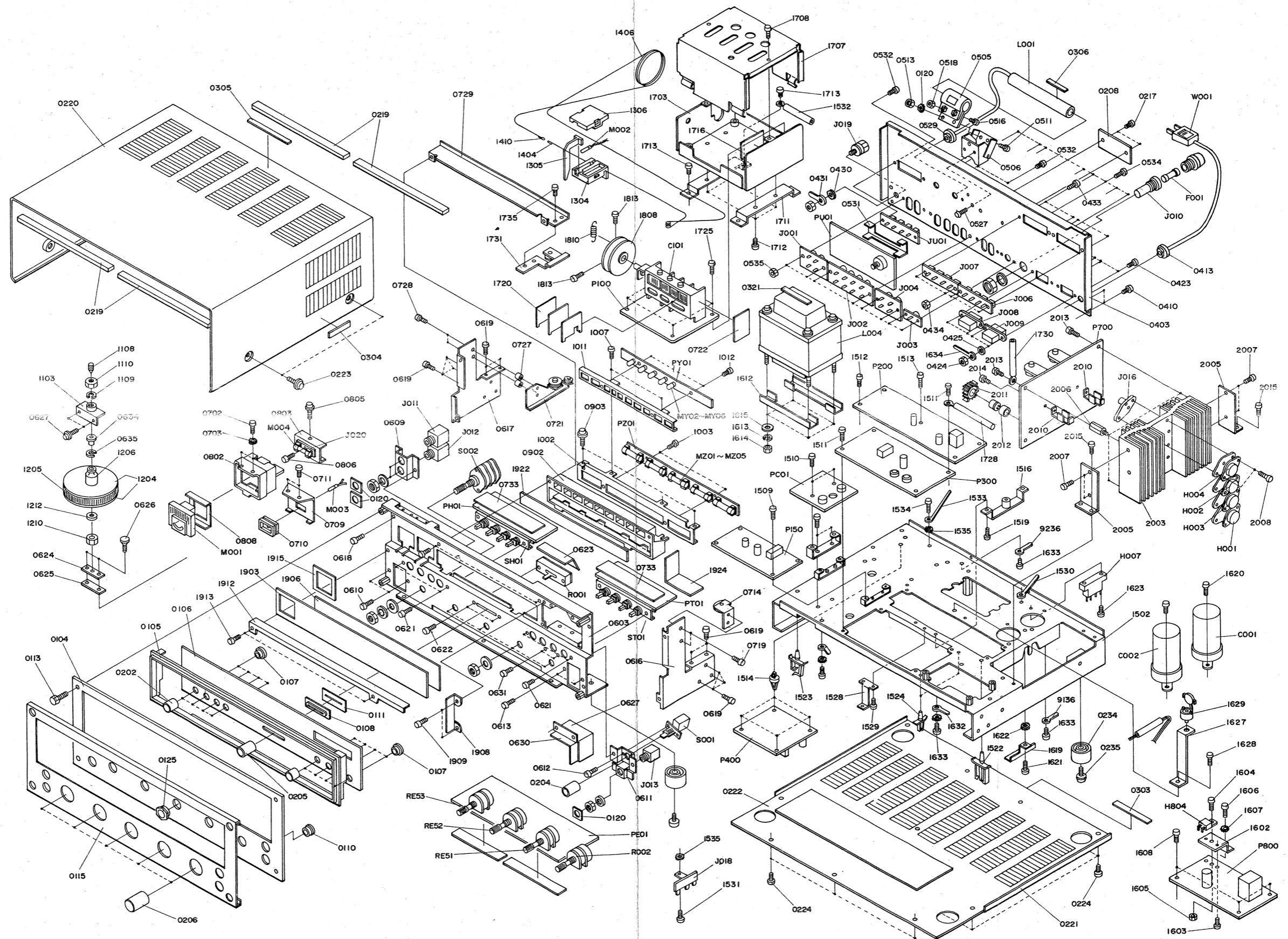


Figure 34. Exploded Mechanical Diagram

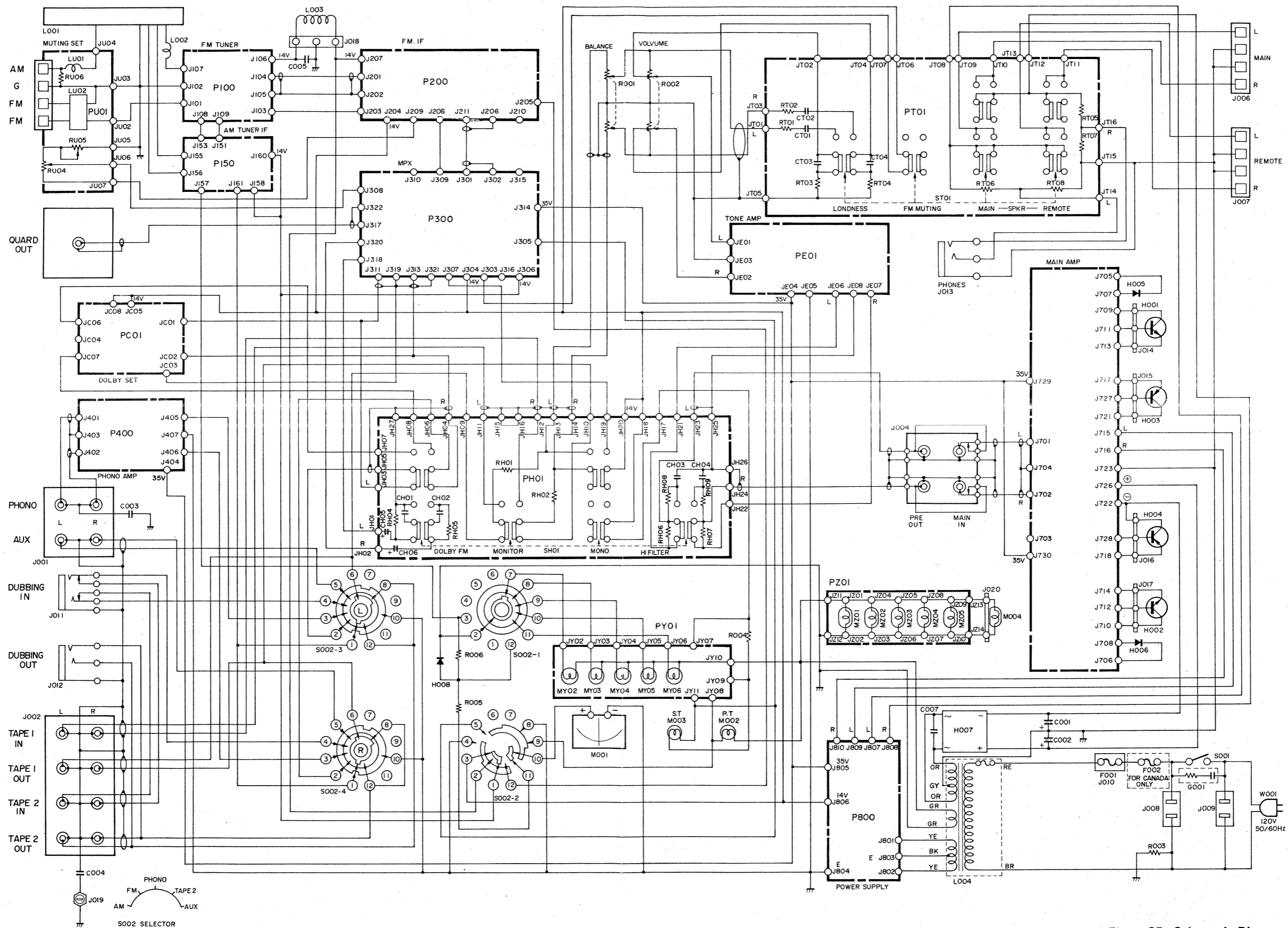
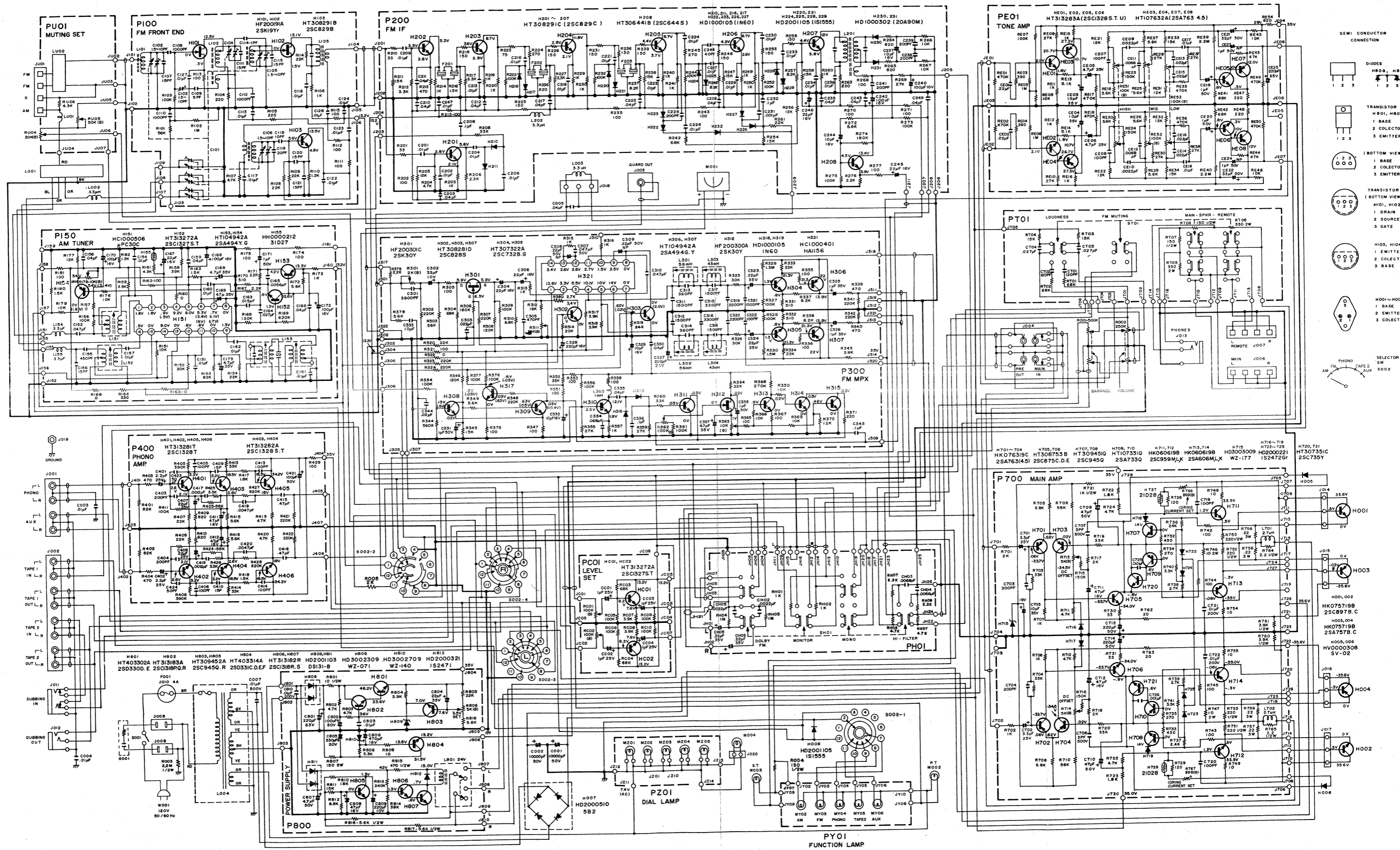


Figure 35. Schematic Diagram



MODEL 2235

NOTE: This circuit diagram applies to units manufactured for the U.S.A. market.

Figure 36. Circuit Diagram

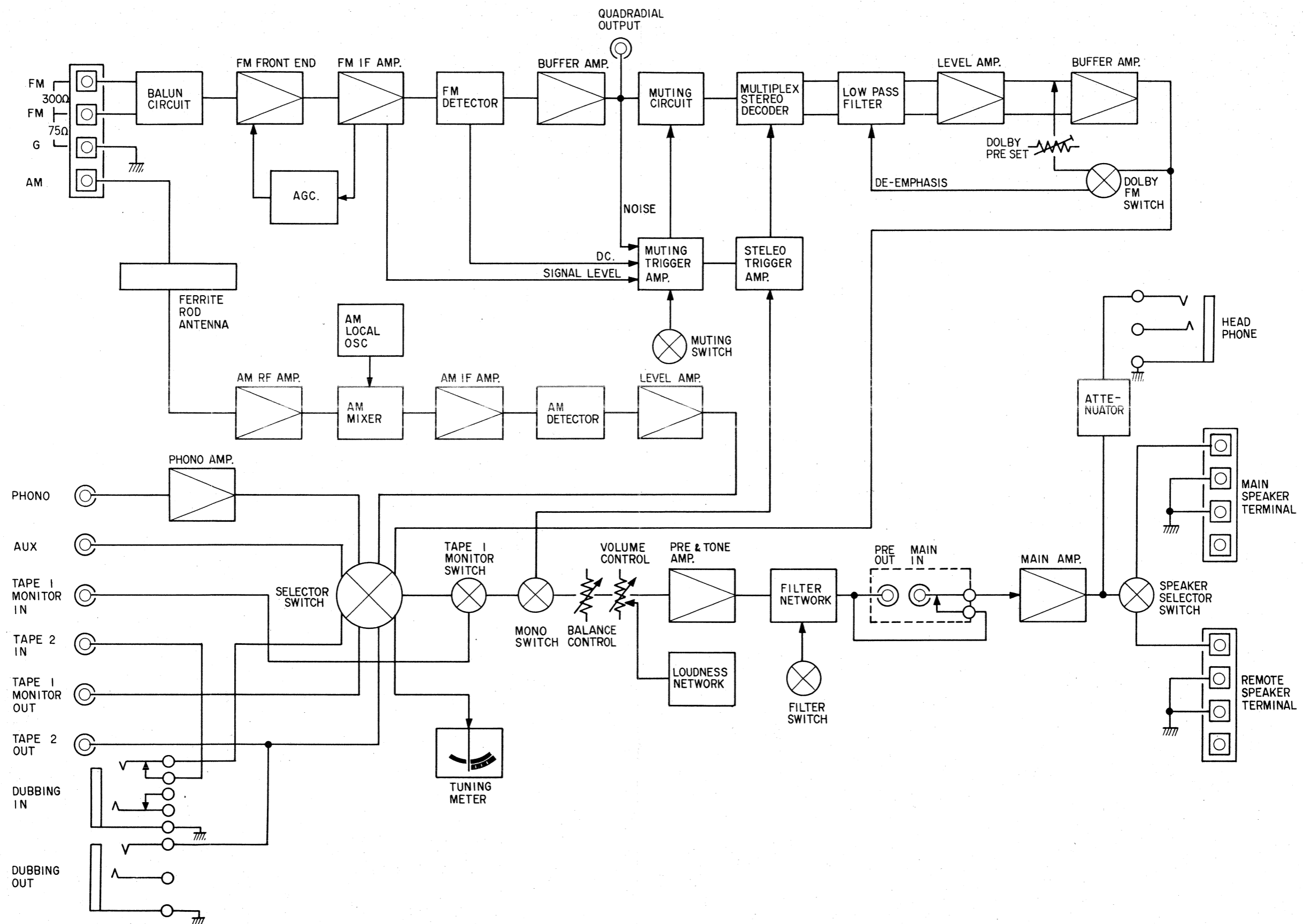


Figure 37. Block Diagram

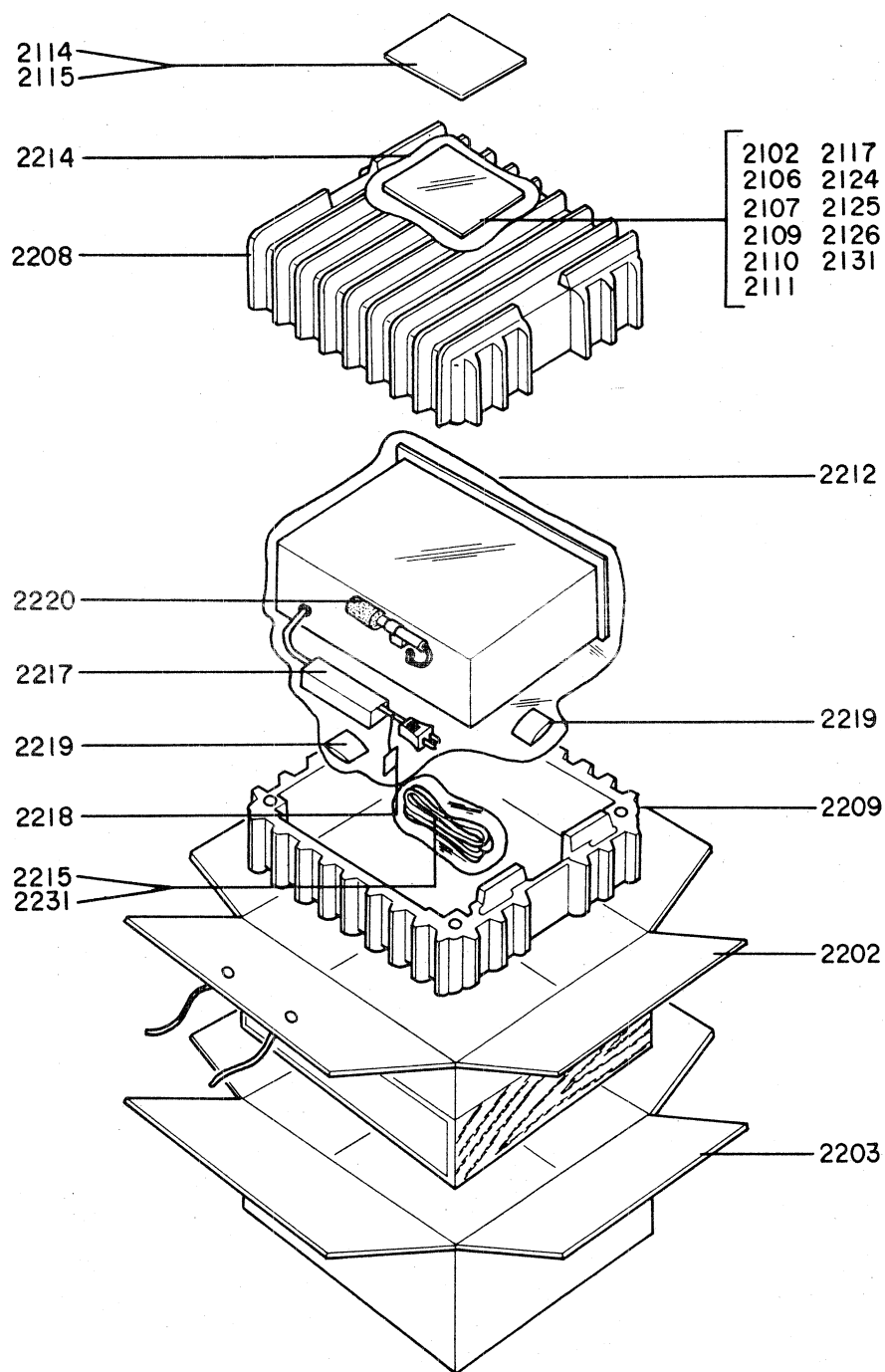


Figure 38. Packing

10. PARTS LIST

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|-----------|-----------------------|
| | U | C | E | | |
| A | 1 | 1 | 1 | 292706340 | Front Panel Assembly |
| 0104 | 1 | 1 | 1 | 292706301 | Escutcheon |
| 0105 | 1 | 1 | 1 | 285340101 | Frame |
| 0106 | 1 | 1 | 1 | 291515801 | Window |
| 0107 | 9 | 9 | 9 | 288625901 | Bush |
| 0108 | 1 | 1 | 1 | 285425901 | Bush |
| 0111 | 1 | 1 | 1 | 291510701 | Sheet |
| 0115 | 1 | 1 | 1 | 291605301 | Cover |
| 0120 | 3 | 3 | 3 | 289610701 | Sheet |
| B | 1 | 1 | 1 | 285327340 | Fly Wheel Assembly |
| 1204 | 2 | 2 | 2 | 257706302 | Escutcheon |
| 1205 | 1 | 1 | 1 | 257727301 | Fly Wheel |
| 1206 | 1 | 1 | 1 | 285311201 | Shaft |
| 1210 | 1 | 1 | 1 | 53110603E | Hexagon Nut |
| 1212 | 1 | 1 | 1 | 54020601E | Flat Washer P |
| M002 | 1 | 1 | 1 | IN1008030 | Lamp |
| C | 1 | 1 | 1 | 291510340 | Pointer Assembly |
| 1304 | 1 | 1 | 1 | 291510301 | Pointer |
| 1305 | 1 | 1 | 1 | 281810302 | Pointer |
| 1306 | 1 | 1 | 1 | 291510302 | Pointer |
| D | 1 | 1 | 1 | 120200640 | Hook Assembly |
| 1404 | 1 | 1 | 1 | 120225801 | Hook |
| 1406 | 1 | 1 | 1 | 72080802A | String |
| E | 1 | 1 | 1 | 281915943 | Drum Assembly |
| 1808 | 1 | 1 | 1 | 281915901 | Drum |
| 1810 | 1 | 1 | 1 | 71101689L | Spring |
| 1813 | 2 | 2 | 2 | 51064019A | Set Screw |
| F | 1 | 1 | 1 | 281825740 | Top Lid Assembly |
| 0219 | 1 | 1 | 1 | 257711807 | Spacer |
| 0220 | 1 | 1 | 1 | 281825701 | Lid |
| G | 1 | 1 | 1 | 281825741 | Bottom Lid Assembly |
| 0221 | 1 | 1 | 1 | 281825702 | Lid |
| 0222 | 1 | 1 | 1 | 291512001 | Insulator |
| H | | 1 | | 292716040 | Rear Panel Assembly |
| 0405 | | 1 | | 292716022 | Bracket |
| 0414 | | 1 | | 284906702 | Cap |
| 0416 | | 1 | | 282125901 | Bush |
| 0417 | | 2 | | 55060305S | T.R. Rivet |
| 0125 | 1 | 1 | 1 | 292705501 | Collar |
| 0202 | 8 | 8 | 8 | 288615403 | Knob, Pushswitch |
| 0204 | 1 | 1 | 1 | 290415404 | Knob, Power |
| 0205 | 1 | 1 | 1 | 285015401 | Knob, Slide Volume |
| 0206 | 5 | 5 | 5 | 281815403 | Knob, Single |
| 0208 | 1 | | | 292726501 | Indicator, Name Plate |
| 0209 | | 1 | | 292726502 | Indicator, Name Plate |
| 0210 | | 1 | | 292726503 | Indicator, Name Plate |
| 0217 | 2 | 2 | 2 | 51060306S | B.H.M. Screw, B3x6 |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|-------------|------|----|----|-----------|----------------------------------|
| | U | C | E | | |
| 0219 | 4 | 4 | 4 | 257711807 | Spacer |
| 0220 | 1 | 1 | 1 | 281825701 | Lid |
| 0221 | 1 | 1 | 1 | 281825702 | Lid |
| 0222 | 1 | 1 | 1 | 291512001 | Insulator |
| 0223 | 4 | 4 | 4 | 51480406S | B.H.M. Screw F, B4x6 |
| 0224 | 10 | 10 | 10 | 51100406S | B.H.M. Screw, B4x6 |
| 0234 | 4 | 4 | 4 | 293205701 | Leg |
| 0235 | 4 | 4 | 4 | 51440410S | B.H.M. Screws .S, B4x10 |
| 0303 | 1 | 1 | 1 | 257886101 | Label, UL Caution |
| 0304 | 1 | 1 | 1 | 257886102 | Label, Do not remove cover. |
| 0305 | 1 | 1 | 1 | 257886103 | Label, See marking on bottom. |
| 0306 | 1 | 1 | 1 | 250626506 | Indicator, Do not use as handle. |
| 0311 | | 1 | | 951091101 | Label, LL No. |
| 0312 | | 1 | | 282186102 | Label, Fuse Caution |
| 0313 | 1 | | | 951091102 | Label, UL Factory Code |
| 0316 | 1 | | | 951110102 | Label, UL |
| 0321 | 1 | 1 | 1 | 288686101 | Label, On Transformer |
| 0323 | 1 | 1 | 1 | 951022101 | Label, Fuse Caution |
| 0403 | 1 | 1 | | 292716009 | Bracket |
| 0410 | 6 | 6 | 6 | 51060306S | B.H.M. Screw, B3x6 |
| 0413 | 1 | 1 | | 145525903 | Bush, Power Code |
| 0418 | | 2 | | 54050300R | T.L. Washer OR |
| 0419 | | 2 | | 51060316A | P.H.M. Screw, P3x16 |
| 0420 | | 2 | | 53110303A | Hexagon Nut |
| 0423 | 4 | 4 | | 51060308S | B.H.M. Screw, B3x8 |
| 0424 | 4 | 4 | | 53110303A | Hexagon Nut |
| 0425 | 4 | 4 | 4 | 54050300R | T.L. Washer OR |
| 0430 | 1 | 1 | 1 | 54050400R | T.L. Washer OR |
| 0431 | 1 | 1 | 1 | 62041760W | Lug |
| 0433 | 4 | 4 | 4 | 51060308S | B.H.M. Screw, B3x8 |
| 0434 | 4 | 4 | 4 | 53110303A | Hexagon Nut |
| 0505 | 1 | 1 | 1 | 281927103 | Holder, Antenne |
| 0506 | 1 | 1 | 1 | 257816052 | Bracket K |
| 0511 | 2 | 2 | 2 | 51060310S | B.H.M. Screw, B3x10 |
| 0512 | 2 | 2 | 2 | 54050300R | T.L. Washer OR |
| 0513 | 2 | 2 | 2 | 53110303E | Hexagon Nut |
| 0516 | 2 | 2 | 2 | 51060310S | B.H.M. Screw, B3x10 |
| 0518 | 2 | 2 | 2 | 53110303E | Hexagon Nut |
| 0527 | 3 | 3 | 3 | 51100306S | B.H.M. Screw, B3x6 |
| 0529 | 1 | 1 | 1 | 145525903 | Bush |
| 0531 | 1 | 1 | 1 | 291616005 | Bracket |
| 0532 | 2 | 2 | 2 | 51060306S | B.H.M. Screw, B3x6 |
| 0534 | 8 | 8 | 8 | 51060308S | B.H.M. Screw, B3x8 |
| 0535 | 8 | 8 | 8 | 53110303A | Hexagon Nut |
| 0603 | 1 | 1 | 1 | 291516050 | Bracket K |
| 0609 | 1 | 1 | 1 | 291616002 | Bracket |
| 0610 | 2 | 2 | 2 | 51100306A | B.H.M. Screw, B3x6 |
| 0611 | 1 | 1 | 1 | 291616003 | Bracket |
| 0612 | 2 | 2 | 2 | 51060306A | P.H.M. Screw, P3x6 |
| 0613 | 2 | 2 | 2 | 51100306A | P.H.M. Screw, P3x6 |
| 0616 | 1 | 1 | 1 | 281816003 | Bracket |
| 0617 | 1 | 1 | 1 | 281816004 | Bracket |
| 0618 | 4 | 4 | 4 | 51100406A | B.H.M. Screw, B4x6 |
| 0619 | 10 | 10 | 10 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 0621 | 4 | 4 | 4 | 51100306A | B.H.M. Screw, B3x6 |
| 0622 | 2 | 2 | 2 | 51100306A | B.H.M. Screw, B3x6 |
| 0623 | 1 | 1 | 1 | 291512002 | Insulator |
| 0624 | 1 | 1 | 1 | 257710602 | Bearing |
| 0625 | 1 | 1 | 1 | 141511801 | Spacer |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|-----------|---------------------------|
| | U | C | E | | |
| 0626 | 2 | 2 | 2 | 51040306A | F.H.M. Screw, F3x6 |
| 0627 | 2 | 2 | 2 | 51470306A | B.H.M. Screw FS |
| 0629 | 1 | 1 | 1 | 291510903 | Shield |
| 0630 | 2 | 2 | 2 | 291512003 | Insulator |
| 0631 | 2 | 2 | 2 | 51100305A | B.H.M. Screw, B3x5 |
| 0634 | 1 | 1 | 1 | 285011202 | Shaft |
| 0635 | 1 | 1 | 1 | 54040402N | Spring Washer |
| 0702 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 0703 | 2 | 2 | 2 | 54050300R | T.L. Washer OR |
| 0706 | 2 | 2 | 2 | 51042608A | F.H.M. Screw, F2.6x8 |
| 0709 | 1 | 1 | 1 | 291516004 | Bracket |
| 0710 | 1 | 1 | 1 | 291225901 | Bush |
| 0711 | 2 | 2 | 2 | 51570305B | P.H. Tapped Screw, P3x5ST |
| 0714 | 1 | 1 | 1 | 291626251 | Pulley K |
| 0719 | 2 | 2 | 2 | 51100306A | B.H.M. Screw, B3x6 |
| 0721 | 1 | 1 | 1 | 292726251 | Pulley K |
| 0728 | 2 | 2 | 2 | 51100306A | B.H.M. Screw, B3x6 |
| 0729 | 1 | 1 | 1 | 287105102 | Guide |
| 0733 | 1 | 1 | 1 | 288612002 | Insulator |
| 0802 | 1 | 1 | 1 | 285427401 | Reflector |
| 0803 | 1 | 1 | 1 | 285427101 | Holder |
| 0805 | 1 | 1 | 1 | 51480306A | B.H.M. Screw F |
| 0806 | 1 | 1 | 1 | 51570305B | P.H. Tapped Screw, P3x5ST |
| 0808 | 1 | 1 | 1 | 288610701 | Sheet |
| 0902 | 1 | 1 | 1 | 287127401 | Reflector |
| 0903 | 2 | 2 | 2 | 51480306A | B.H.M. Screw F |
| 1002 | 1 | 1 | 1 | 287127101 | Holder |
| 1003 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1007 | 2 | 2 | 2 | 51100306A | B.H.M. Screw, B3x6 |
| 1011 | 1 | 1 | 1 | 288627101 | Holder |
| 1012 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1103 | 1 | 1 | 1 | 285310650 | Bearing K |
| 1108 | 1 | 1 | 1 | 51640410D | Set Screw C P |
| 1109 | 1 | 1 | 1 | 54040402N | Spring Washer |
| 1110 | 1 | 1 | 1 | 53110403E | Hexagon Nut |
| 1410 | 1 | 1 | 1 | 56382540G | Eyelet, Dial String |
| 1502 | 1 | 1 | 1 | 292710550 | Chassis K |
| 1509 | 4 | 4 | 4 | 51100306S | B.H.M. Screw, B3x6 |
| 1510 | 2 | 2 | 2 | 51100306S | B.H.M. Screw, B3x6 |
| 1511 | 4 | 4 | 4 | 51570306S | P.H. Tapped Screw, P3x6ST |
| 1512 | 4 | 4 | 4 | 51570306S | P.H. Tapped Screw, P3x6ST |
| 1513 | 1 | 1 | 1 | 51100306S | B.H.M. Screw, B3x6 |
| 1514 | 4 | 4 | 4 | 389610101 | Support |
| 1516 | 1 | 1 | 1 | 292710450 | Retainer K |
| 1519 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1522 | 2 | 2 | 2 | 288600503 | Clamper |
| 1523 | 5 | 5 | 5 | 288600502 | Clamper |
| 1524 | 4 | 4 | 4 | 288600505 | Clamper |
| 1528 | 1 | 1 | 1 | 292716003 | Bracket |
| 1529 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1530 | 1 | 1 | 1 | 282100501 | Clamper |
| 1531 | 1 | 1 | 1 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1532 | 1 | 1 | 1 | 138200503 | Clamper |
| 1533 | 1 | 1 | 1 | 287100501 | Clamper |
| 1534 | 1 | 1 | 1 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1535 | 2 | 2 | 2 | 54050300R | T.L. Washer OR |
| 1602 | 1 | 1 | 1 | 291626702 | Heat Sink |
| 1603 | 2 | 2 | 2 | 51102606S | B.H.M. Screw, B2.6x6 |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|-----------|----------------------------|
| | U | C | E | | |
| 1604 | 1 | 1 | 1 | 51100310E | B.H.M. Screw, B3x10 |
| 1605 | 1 | 1 | 1 | 53110301E | Hexagon Nut |
| 1606 | 1 | 1 | 1 | 51570306S | P.H. Tapped Screw, P3x6ST |
| 1607 | 1 | 1 | 1 | 54050300R | T.L. Washer OR |
| 1608 | 3 | 3 | 3 | 51100306S | B.H.M. Screw, B3x6 |
| 1612 | 2 | 2 | 2 | 292700501 | Clamper |
| 1613 | 4 | 4 | 4 | 54040402A | Spring Washer |
| 1614 | 4 | 4 | 4 | 53110401A | Hexagon Nut |
| 1615 | 4 | 4 | 4 | 54020401A | Flat Washer P |
| 1619 | 1 | 1 | 1 | 292716004 | Bracket |
| 1620 | 4 | 4 | 4 | 51570306S | P.H. Tapped Screw, P3x6ST |
| 1621 | 1 | 1 | 1 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1622 | 1 | 1 | 1 | 54050300R | T.L. Washer OR |
| 1623 | 2 | 2 | 2 | 51570310B | P.H. Tapped Screw, P3x10ST |
| 1627 | 1 | 1 | 1 | 292716005 | Bracket |
| 1628 | 1 | 1 | 1 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1629 | 1 | 1 | 1 | 290825901 | Bush |
| 1632 | 1 | 1 | 1 | 62030039W | Lug |
| 1633 | 4 | 4 | 4 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1634 | 1 | 1 | 1 | 138200503 | Clamper |
| 1703 | 1 | 1 | 1 | 273010950 | Shield K |
| 1707 | 1 | 1 | 1 | 273010902 | Shield |
| 1708 | 2 | 2 | 2 | 51100306B | B.H.M. Screw, B3x6 |
| 1711 | 2 | 2 | 2 | 292716006 | Bracket |
| 1712 | 4 | 4 | 4 | 51100306B | B.H.M. Screw, B3x6 |
| 1713 | 4 | 4 | 4 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1716 | 1 | 1 | 1 | 291612003 | Insulator |
| 1720 | 3 | 3 | 3 | 273010903 | Shield |
| 1722 | 1 | 1 | 1 | 341105605 | Buffer |
| 1725 | 5 | 5 | 5 | 51100306S | B.H.M. Screw, B3x6 |
| 1728 | 1 | 1 | 1 | 138200503 | Clamper |
| 1730 | 1 | 1 | 1 | 138200503 | Clamper |
| 1731 | 1 | 1 | 1 | 291726250 | Pulley K |
| 1735 | 2 | 2 | 2 | 51100306A | B.H.M. Screw, B3x6 |
| 1903 | 1 | 1 | 1 | 292730201 | Dial |
| 1906 | 1 | 1 | 1 | 285310701 | Sheet |
| 1908 | 1 | 1 | 1 | 285326901 | Protector |
| 1909 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 1912 | 1 | 1 | 1 | 291526901 | Protector |
| 1913 | 2 | 2 | 2 | 51570305B | P.H. Tapped Screw, P3x5ST |
| 1915 | 1 | 1 | 1 | 287105302 | Cover |
| 1922 | 1 | 1 | 1 | 288612201 | Sticker |
| 1924 | 1 | 1 | 1 | 281912005 | Insulator |
| 1951 | 1 | 1 | 1 | 951061105 | Label, 5A |
| 2003 | 1 | 1 | 1 | 289026701 | Heat Sink |
| 2005 | 2 | 2 | 2 | 289016003 | Bracket |
| 2006 | 4 | 4 | 4 | 281810104 | Support |
| 2007 | 4 | 4 | 4 | 51380305T | R.H. Tapped Screw, R3x5ST |
| 2008 | 8 | 8 | 8 | 51100316E | B.H.M. Screw, B3x16 |
| 2010 | 2 | 2 | 2 | 289026703 | Heat Sink |
| 2011 | 4 | 4 | 4 | 289226703 | Heat Sink |
| 2012 | 6 | 6 | 6 | 281811806 | Spacer |
| 2013 | 4 | 4 | 4 | 51100306S | B.H.M. Screw, B3x6 |
| 2014 | 2 | 2 | 2 | 51100204A | B.H.M. Screw, B3x6 |
| 2015 | 4 | 4 | 4 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 2019 | 1 | 1 | 1 | 288816005 | Bracket |
| 2020 | 2 | 2 | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 2021 | 2 | 2 | 2 | 51100306S | B.H.M. Screw, B3x6 |
| 2022 | 1 | 1 | 1 | 292710901 | Shield |
| 2023 | 1 | 1 | 1 | 285612001 | Insulator |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--|------|---|---|-----------|---------------------------------------|
| | U | C | E | | |
| 2024 | | | 2 | 51570305B | P.H. Tapped Screw, P3x5ST |
| 2026 | | | 1 | 292716007 | Bracket |
| 2027 | | | 2 | 51570306B | P.H. Tapped Screw, P3x6ST |
| 2028 | | | 4 | 51570312B | P.H. Tapped Screw, P3x6ST |
| 2029 | | | 5 | 54060300R | T.L. Washer IR |
| 2102 | 1 | | | 292785101 | Instructions, Set |
| 2107 | | 1 | | 288685110 | Instructions, Leaflet |
| 2108 | | 1 | 1 | 292785131 | Instructions, Set |
| 2109 | 1 | | | 292785601 | Schematic Diagram |
| 2110 | | | 1 | 292785602 | Schematic Diagram |
| 2111 | | 1 | | 292785603 | Schematic Diagram |
| 2114 | 1 | | 1 | 281885108 | Instructions, Accessories |
| 2115 | | 1 | | 287185104 | Instructions, Accessories |
| 2117 | 1 | 1 | 1 | 281885104 | Instructions, Packing |
| 2124 | 1 | | 1 | 257785401 | Guarantee Card |
| 2125 | 1 | | 1 | 257785102 | Instructions |
| 2126 | 1 | | | 257781301 | Envelope |
| 2131 | | | 1 | 281881301 | Envelope |
| 2202 | 1 | 1 | 1 | 292780101 | Packing Case, Inner |
| 2203 | 1 | 1 | 1 | 292780111 | Packing Case, Outer |
| 2208 | 1 | 1 | 1 | 281880304 | Cushion, Upper |
| 2209 | 1 | 1 | 1 | 281880305 | Cushion, Lower |
| 2212 | 1 | 1 | 1 | 901483838 | Polyethylene Bag, Set |
| 2214 | 1 | 1 | 1 | 901302501 | Polyethylene Bag, Printed Matter |
| 2215 | 1 | 1 | 1 | 901302501 | Polyethylene Bag, Accessories |
| 2217 | 1 | 1 | 1 | 102980401 | Sleeve |
| 2218 | | | 1 | 956000004 | Hang Tag |
| 2219 | 2 | 2 | 2 | 273182101 | Silicagel |
| 2220 | 1 | 1 | 1 | 281905601 | Buffer |
| 2222 | 4 | | | 952281501 | Serial No. Card |
| 2223 | | 4 | | 952301512 | Serial No. Card |
| 2224 | | | 4 | 952301511 | Serial No. Card |
| 2231 | 1 | 1 | 1 | ZA0200007 | Ext. Antenna |
| 9136 | 1 | 1 | 1 | 62030039W | Lug |
| 9236 | 1 | 1 | 1 | 62030039W | Lug |
| FM FRONT END CIRCUIT BOARD-P100 | | | | | |
| P100 | 1 | 1 | 1 | YD2819002 | P.W. Board, FM Front End (Print Only) |
| | 1 | 1 | 1 | ZZ2927102 | P.W. Board Assembly |
| P100-RESISTORS | | | | | |
| All resistors are $\pm 5\%$ and $\frac{1}{4}W$. | | | | | |
| R101 | 1 | 1 | 1 | RT0556314 | 56K Ω |
| R102 | 1 | 1 | 1 | RT0510514 | 1M Ω |
| R103 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R104 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| R105 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| R106 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R107 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R108 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R109 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R110 | 1 | 1 | 1 | RT0512214 | 1.2K Ω |
| R111 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R112 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R113 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R114 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R115 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| P100-CAPACITORS | | | | | |
| C101 | 1 | 1 | 1 | CA4330001 | Variable |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--|------|---|---|-----------|----------------------------------|
| | U | C | E | | |
| C102 | 1 | 1 | 1 | CT1100001 | Trimming, 1.5~10PF |
| C103 | 1 | 1 | 1 | CT1100002 | Trimming, 1.5~10PF |
| C104 | 1 | 1 | 1 | CT1100001 | Trimming, 1.5~10PF |
| C105 | 1 | 1 | 1 | CT1100001 | Trimming, 1.5~10PF |
| C106 | 1 | 1 | 1 | CT1100001 | Trimming, 1.5~10PF |
| C107 | 1 | 1 | 1 | DD1615001 | Ceramic, 15PF $\pm 10\%$ |
| C108 | 1 | 1 | 1 | DK1710201 | Ceramic, 1000PF $\pm 20\%$ |
| C109 | 1 | 1 | 1 | DD1105001 | Ceramic, 5PF $\pm 0.5PF$ |
| C110 | 1 | 1 | 1 | DK1710201 | Ceramic, 1000PF $\pm 20\%$ |
| C111 | 1 | 1 | 1 | DD1615001 | Ceramic, 15PF $\pm 10\%$ |
| C112 | 1 | 1 | 1 | DK1710201 | Ceramic, 1000PF $\pm 20\%$ |
| C113 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C114 | 1 | 1 | 1 | DD1001001 | Ceramic, 1.0PF $\pm 0.25PF$ |
| C115 | 1 | 1 | 1 | DD1615001 | Ceramic, 15PF $\pm 10\%$ |
| C116 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C117 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C118 | 1 | 1 | 1 | DD1620003 | Ceramic, 20PF $\pm 10\%$ |
| C119 | 1 | 1 | 1 | DD1210006 | Ceramic, 10PF $\pm 1PF$ |
| C120 | 1 | 1 | 1 | DD1615003 | Ceramic, 15PF $\pm 10\%$ |
| C121 | 1 | 1 | 1 | DD1615003 | Ceramic, 15PF $\pm 10\%$ |
| C122 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C123 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C124 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C128 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| C127 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 $\mu F \pm 20\%$ |
| P100-COILS & TRANSF. | | | | | |
| L101 | 1 | 1 | 1 | LA1202603 | Antenna Coil |
| L102 | 1 | 1 | 1 | LA1202604 | RF Coil |
| L103 | 1 | 1 | 1 | LA1202605 | RF Coil |
| L104 | 1 | 1 | 1 | LO1202608 | OSC Coil |
| L105 | 1 | 1 | 1 | LI1001601 | IFT |
| P100-MISCELLANEOUS | | | | | |
| H101 | 1 | 1 | 1 | HF200191A | FET, 2SK19(Y) |
| H102 | 1 | 1 | 1 | HF200191A | FET, 2SK19(Y) |
| H103 | 1 | 1 | 1 | HT305351B | Transistor, 2SC535(B) |
| J101 | 1 | 1 | 1 | YP1000094 | Plug |
| J102 | 1 | 1 | 1 | YP1000094 | Plug |
| J103 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| J104 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| J105 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| J106 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| J107 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| J108 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| J109 | 1 | 1 | 1 | 57271240W | Lug Eyelet |
| AM TUNER CIRCUIT BOARD-P150 | | | | | |
| P150 | 1 | 1 | 1 | YD2909001 | P.W. Board, AM Tuner(Print Only) |
| | 1 | 1 | 1 | ZZ2927101 | P.W. Board Assembly |
| P150-RESISTORS | | | | | |
| All resistors are $\pm 5\%$ and $\frac{1}{4}W$, unless otherwise indicated. | | | | | |
| R151 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R152 | 1 | 1 | 1 | RT0530314 | 30K Ω |
| R153 | 1 | 1 | 1 | RT0582314 | 82K Ω |
| R154 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R156 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R157 | 1 | 1 | 1 | RC0000012 | 0 Ω , $\frac{1}{4}W$ |
| R158 | 1 | 1 | 1 | RT0539314 | 39K Ω |
| R159 | 1 | 1 | 1 | RT0539214 | 3.9K Ω |
| R160 | 1 | 1 | 1 | RC0000012 | 0 Ω , $\frac{1}{4}W$ |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|---------------------------|------|---|---|-----------|---------------------------------------|
| | U | C | E | | |
| R161 | 1 | 1 | 1 | RT0543214 | 4.3K Ω |
| R162 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R163 | 1 | 1 | 1 | RT0515214 | 1.5K Ω |
| R164 | 1 | 1 | 1 | RT0533114 | 330 Ω |
| R165 | 1 | 1 | 1 | RC0000012 | 0 Ω , $\frac{1}{2}$ W |
| R166 | 1 | 1 | 1 | RC0000012 | 0 Ω , $\frac{1}{2}$ W |
| R167 | 1 | 1 | 1 | RT0522214 | 2.2K Ω |
| R168 | 1 | 1 | 1 | RT0582314 | 82K Ω |
| R169 | 1 | 1 | 1 | RT0562414 | 620K Ω |
| R170 | 1 | 1 | 1 | RT0551114 | 510 Ω |
| R171 | 1 | 1 | 1 | RT0522214 | 2.2K Ω |
| R172 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| R173 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R174 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R175 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R176 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R177 | 1 | 1 | 1 | RT0582214 | 8.2K Ω |
| R178 | 1 | 1 | 1 | RA0103025 | Trimming, 10K Ω (B) |
| R179 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R180 | 1 | 1 | 1 | RT0515214 | 1.5K Ω |
| R181 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R182 | 1 | 1 | 1 | RT0515214 | 1.5K Ω |
| P150-CAPACITORS | | | | | |
| C151 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C152 | 1 | 1 | 1 | DF1747305 | Film, 0.047 μ F \pm 20% |
| C154 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C155 | 1 | 1 | 1 | DF6545101 | Film, 450PF \pm 5% |
| C156 | 1 | 1 | 1 | DD1615001 | Ceramic, 15PF \pm 10% |
| C157 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C158 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F \pm 80%, -20% |
| C159 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F \pm 80%, -20% |
| C160 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C161 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C162 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C163 | 1 | 1 | 1 | DF1615305 | Film, 0.015 μ F \pm 10% |
| C164 | 1 | 1 | 1 | DF1627305 | Film, 0.027 μ F \pm 10% |
| C165 | 1 | 1 | 1 | DF1756205 | Film, 5600PF \pm 20% |
| C166 | 1 | 1 | 1 | DK1840302 | Film, 0.04 μ F \pm 80%, -20% |
| C167 | 1 | 1 | 1 | EA2260169 | Electrolytic, 22 μ F, 16V |
| C168 | 1 | 1 | 1 | EA1070169 | Electrolytic, 100 μ F, 16V |
| C169 | 1 | 1 | 1 | EA4750359 | Electrolytic, 4.7 μ F, 35V |
| C170 | 1 | 1 | 1 | EA1070169 | Electrolytic, 100 μ F, 16V |
| C171 | 1 | 1 | 1 | EA1050509 | Electrolytic, 1 μ F, 50V |
| C172 | 1 | 1 | 1 | EA1070169 | Electrolytic, 100 μ F, 16V |
| C173 | 1 | 1 | 1 | EA4750359 | Electrolytic, 4.7 μ F, 35V |
| P150-MISCELLANEOUS | | | | | |
| H151 | 1 | 1 | 1 | HC1000506 | I.C., μ PC30C |
| H152 | 1 | 1 | 1 | HT313272A | Transistor, 2SC1327 S,T |
| H153 | 1 | 1 | 1 | HT104942A | Transistor, 2SA494 Y,G |
| H154 | 1 | 1 | 1 | HT104942A | Transistor, 2SA494 Y,G |
| H155 | 1 | 1 | 1 | HH0000212 | Thermistor, 31D27 |
| L151 | 1 | 1 | 1 | LA1001019 | RF Coil, AM |
| L152 | 1 | 1 | 1 | LO1001050 | OSC Coil, AM |
| L153 | 1 | 1 | 1 | LI1028003 | IFT, AM Ceramic Filter |
| L154 | 1 | 1 | 1 | LC1332002 | Choke Coil, 3.3 μ H |
| L155 | 1 | 1 | 1 | LC1332002 | Choke Coil, 3.3 μ H |
| J151 | 1 | 1 | 1 | YP1000113 | Plug |
| J152 | 1 | 1 | 1 | YP1000113 | Plug |
| J153 | 1 | 1 | 1 | YP1000113 | Plug |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|---|------|---|---|-----------|-------------------------------------|
| | U | C | E | | |
| J155 | 1 | 1 | 1 | YP1000113 | Plug |
| J156 | 1 | 1 | 1 | YP1000113 | Plug |
| J157 | 1 | 1 | 1 | YP1000113 | Plug |
| J158 | 1 | 1 | 1 | YP1000113 | Plug |
| J159 | 1 | 1 | 1 | YP1000113 | Plug |
| J160 | 1 | 1 | 1 | YP1000113 | Plug |
| J161 | 1 | 1 | 1 | YP1000113 | Plug |
| FM IF & DETECTOR CIRCUIT BOARD-P200 | | | | | |
| P200 | 1 | 1 | 1 | YD2927001 | P.W. Board, FM IF & Detector (Print |
| | 1 | 1 | 1 | ZZ2927001 | P.W. Board Assembly Only) |
| P200-RESISTORS | | | | | |
| All resistors are \pm 5% and $\frac{1}{4}$ W. | | | | | |
| R201 | 1 | 1 | 1 | RT0533014 | 33 Ω |
| R202 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R203 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| R204 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R205 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R206 | 1 | 1 | 1 | RT0522214 | 2.2K Ω |
| R208 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R210 | 1 | 1 | 1 | RT0533014 | 33 Ω |
| R211 | 1 | 1 | 1 | RT0515214 | 1.5K Ω |
| R212 | 1 | 1 | 1 | RT0533214 | 3.3K Ω |
| R213 | 1 | 1 | 1 | RT0547114 | 470 Ω |
| R214 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R215 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R216 | 1 | 1 | 1 | RT0515214 | 1.5K Ω |
| R217 | 1 | 1 | 1 | RT0533214 | 3.3K Ω |
| R218 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R219 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R220 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R222 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R223 | 1 | 1 | 1 | RT0575014 | 75 Ω |
| R224 | 1 | 1 | 1 | RT0527114 | 270 Ω |
| R225 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R226 | 1 | 1 | 1 | RT0515214 | 1.5K Ω |
| R227 | 1 | 1 | 1 | RT0533214 | 3.3K Ω |
| R228 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R229 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R230 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R231 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R232 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R235 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R236 | 1 | 1 | 1 | RT0513114 | 130 Ω |
| R237 | 1 | 1 | 1 | RT0582214 | 8.2K Ω |
| R238 | 1 | 1 | 1 | RT0515314 | 15K Ω |
| R239 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R240 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R241 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R242 | 1 | 1 | 1 | RT0568314 | 68K Ω |
| R243 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R244 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R245 | 1 | 1 | 1 | RT0527114 | 270 Ω |
| R246 | 1 | 1 | 1 | RT0582214 | 8.2K Ω |
| R247 | 1 | 1 | 1 | RT0515314 | 15K Ω |
| R248 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R249 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R250 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R252 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R253 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R254 | 1 | 1 | 1 | RT0515314 | 15K Ω |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|------------------------|------|---|---|-----------|----------------------------------|
| | U | C | E | | |
| R256 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| R257 | 1 | 1 | 1 | RT0582214 | 8.2K Ω |
| R258 | 1 | 1 | 1 | RT0515314 | 15K Ω |
| R259 | 1 | 1 | 1 | RT0515114 | 150 Ω |
| R260 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R261 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R263 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| R264 | 1 | 1 | 1 | RT0582114 | 820 Ω |
| R265 | 1 | 1 | 1 | RT0582114 | 820 Ω |
| R266 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R267 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R268 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R269 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| R270 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R271 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R272 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| R273 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R274 | 1 | 1 | 1 | RT0518414 | 180K Ω |
| R275 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R276 | 1 | 1 | 1 | RT0522214 | 2.2K Ω |
| R277 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| P200-CAPACITORS | | | | | |
| C201 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C202 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C203 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C204 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C206 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C208 | 1 | 1 | 1 | DK1810402 | Ceramic, 0.1 μ F+80%, -20% |
| C209 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C210 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C211 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C212 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C213 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C216 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C217 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C218 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C221 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C222 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C223 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C224 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C225 | 1 | 1 | 1 | DD1620101 | Ceramic, 200PF \pm 10% |
| C226 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C227 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C228 | 1 | 1 | 1 | DK1840301 | Ceramic, 0.04 μ F+80%, -20% |
| C229 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C230 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C231 | 1 | 1 | 1 | DK1710201 | Ceramic, 0.001 μ F \pm 20% |
| C232 | 1 | 1 | 1 | DK1810402 | Ceramic, 0.1 μ F+80%, -20% |
| C233 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C234 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C235 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C236 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C237 | 1 | 1 | 1 | EA1060169 | Electrolytic, 10 μ F, 16V |
| C238 | 1 | 1 | 1 | DD1620101 | Ceramic, 200PF \pm 20% |
| C239 | 1 | 1 | 1 | DD1620101 | Ceramic, 200PF \pm 20% |
| C240 | 1 | 1 | 1 | EA1070109 | Electrolytic, 100 μ F, 10V |
| C241 | 1 | 1 | 1 | DD1620101 | Ceramic, 200PF \pm 20% |
| C242 | 1 | 1 | 1 | EA1070169 | Electrolytic, 100 μ F, 16V |
| C243 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| C244 | 1 | 1 | 1 | EA1060169 | Electrolytic, 10 μ F, 16V |
| C245 | 1 | 1 | 1 | EA2260169 | Electrolytic, 22 μ F, 16V |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|---|------|---|---|-----------|--|
| | U | C | E | | |
| C246 | 1 | 1 | 1 | EA2260169 | Electrolytic, 22 μ F, 16V |
| C247 | 1 | 1 | 1 | DK1710301 | Ceramic, 0.01 μ F \pm 20% |
| C248 | 1 | 1 | 1 | DD1540001 | Ceramic, 40PF \pm 5% |
| C249 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F+80%, -20% |
| P200-FILTERS & SEMICONDUCTORS | | | | | |
| F201 | 1 | 1 | 1 | FF1107005 | Ceramic Filter, SFE107MD-1 |
| F202 | 1 | 1 | 1 | FF1107005 | Ceramic Filter, SFE107MD-1 |
| F203 | 1 | 1 | 1 | FF1107005 | Ceramic Filter, SFE107MD-1 |
| H201 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H202 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H203 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H204 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H205 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H206 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H207 | 1 | 1 | 1 | HT308291C | Transistor, 2SC829C |
| H208 | 1 | 1 | 1 | HT306441B | Transistor, 2SC644S |
| H210 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H211 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H216 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H217 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H220 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H221 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H222 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H223 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H224 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H225 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H226 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H227 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H228 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H229 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| H230 | 1 | 1 | 1 | HD1000302 | Diode, 20A90M |
| H231 | 1 | 1 | 1 | HD1000302 | Diode, 20A90M |
| H232 | 1 | 1 | 1 | HD1000302 | Diode, 20A90M |
| P200-MISCELLANEOUS | | | | | |
| L201 | 1 | 1 | 1 | LI1401623 | IFT, FM |
| L202 | 1 | 1 | 1 | LC1332002 | Choke Coil, 3.3 μ H |
| J201 | 1 | 1 | 1 | YP1000113 | Plug |
| J202 | 1 | 1 | 1 | YP1000113 | Plug |
| J203 | 1 | 1 | 1 | YP1000113 | Plug |
| J204 | 1 | 1 | 1 | YP1000113 | Plug |
| J205 | 1 | 1 | 1 | YP1000113 | Plug |
| J206 | 1 | 1 | 1 | YP1000113 | Plug |
| J207 | 1 | 1 | 1 | YP1000113 | Plug |
| J208 | 1 | 1 | 1 | YP1000113 | Plug |
| J209 | 1 | 1 | 1 | YP1000113 | Plug |
| J211 | 1 | 1 | 1 | YP1000113 | Plug |
| FM MPX & MUTING CIRCUIT BOARD-P300 | | | | | |
| P300 | 1 | 1 | 1 | YD2927002 | P.W. Board, FM MPX & Muting (Print Only) |
| | 1 | 1 | 1 | ZZ2927002 | P.W. Board Assembly |
| P300-RESISTORS | | | | | |
| All resistors are \pm 5% and $\frac{1}{4}$ W, unless otherwise indicated. | | | | | |
| R301 | 1 | 1 | 1 | RA0202011 | Trimming, 2K Ω (B) |
| R302 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R303 | 1 | 1 | 1 | RT0556314 | 56K Ω |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|----------------------------|------|---|---|-----------|--|
| | U | C | E | | |
| R304 | 1 | 1 | 1 | RT0568314 | 68K Ω |
| R305 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R306 | 1 | 1 | 1 | RT0518414 | 180K Ω |
| R307 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R308 | 1 | 1 | 1 | RT0512414 | 120K Ω |
| R309 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R310 | 1 | 1 | 1 | RT0568214 | 6.8K Ω |
| R311 | 1 | 1 | 1 | RA0502020 | Trimming, 5K Ω (B) |
| R312 | 1 | 1 | 1 | RT0516314 | 16K Ω |
| R313 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R314 | 1 | 1 | 1 | RT0520314 | 20K Ω |
| R315 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R316 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R317 | 1 | 1 | 1 | RT0539214 | 3.9K Ω |
| R318 | 1 | 1 | 1 | RT0539214 | 3.9K Ω |
| R319 | 1 | 1 | 1 | RT0524314 | 24K Ω |
| R320 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R321 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R322 | 1 | 1 | 1 | RC0000012 | 0 Ω , 1/4W |
| R323 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R324 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R325 | 1 | 1 | 1 | RT0530314 | 30K Ω |
| R326 | 1 | 1 | 1 | RT0530314 | 30K Ω |
| R327 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R328 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R329 | 1 | 1 | 1 | RT0515514 | 1.5M Ω |
| R330 | 1 | 1 | 1 | RT0515514 | 1.5M Ω |
| R331 | 1 | 1 | 1 | RT0551114 | 510 Ω |
| R332 | 1 | 1 | 1 | RT0551114 | 510 Ω |
| R333 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R334 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R335 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R336 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R337 | 1 | 1 | 1 | RT0582214 | 8.2K Ω |
| R338 | 1 | 1 | 1 | RT0582214 | 8.2K Ω |
| R339 | 1 | 1 | 1 | RT0547114 | 470 Ω |
| R340 | 1 | 1 | 1 | RT0547114 | 470 Ω |
| R341 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R342 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R343 | 1 | 1 | 1 | RT0539214 | 3.9K Ω |
| R344 | 1 | 1 | 1 | RT0556414 | 560K Ω |
| R345 | 1 | 1 | 1 | RT0515314 | 15K Ω |
| R346 | 1 | 1 | 1 | RT0512414 | 120K Ω |
| R347 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R348 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R349 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| R350 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R351 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R352 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R353 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R354 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R355 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| R356 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R357 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R358 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R359 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| R360 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R361 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R362 | 1 | 1 | 1 | RA0104018 | Trimming, 100K Ω (B) |
| R363 | 1 | 1 | 1 | RA0103025 | Trimming, 10K Ω (B) |
| R364 | 1 | 1 | 1 | RT0522214 | 2.2K Ω |
| R365 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R366 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R367 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R368 | 1 | 1 | 1 | RT0527414 | 270K Ω |
| R369 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| R370 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| R371 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| R375 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| R376 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R377 | 1 | 1 | 1 | RT0510414 | 100K Ω |
| R378 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| R379 | 1 | 1 | 1 | RT0522214 | 2.2K Ω |
| R380 | 1 | 1 | 1 | RT0527214 | 2.7K Ω |
| C301 | 1 | 1 | 1 | DF1639205 | Film, 3900PF \pm 10% |
| C302 | 1 | 1 | 1 | EA3360109 | Electrolytic, 33 μ F, 10V |
| C303 | 1 | 1 | 1 | DF1722305 | Film, 0.0022 μ F \pm 20% |
| C304 | 1 | 1 | 1 | EA2260169 | Electrolytic, 22 μ F, 16V |
| C305 | 1 | 1 | 1 | DF5547101 | Film, 470PF \pm 5% |
| C306 | 1 | 1 | 1 | EA2260169 | Electrolytic, 22 μ F, 16V |
| C307 | 1 | 1 | 1 | EQ4740501 | Electrolytic, 0.47 μ F, \pm 20%, 50V |
| C308 | 1 | 1 | 1 | EQ2240501 | Electrolytic, 0.22 μ F, \pm 20%, 50V |
| C309 | 1 | 1 | 1 | EQ2240501 | Electrolytic, 0.22 μ F, \pm 20%, 50V |
| C310 | 1 | 1 | 1 | DF1747301 | Film, 0.047 μ F \pm 20%, 50V |
| C311 | 1 | 1 | 1 | DF1515205 | Film, 1500PF \pm 5% |
| C312 | 1 | 1 | 1 | DF1515205 | Film, 1500PF \pm 5% |
| C313 | 1 | 1 | 1 | DD1536101 | Ceramic, 360PF \pm 5% |
| C314 | 1 | 1 | 1 | DD1536101 | Ceramic, 360PF \pm 5% |
| C315 | 1 | 1 | 1 | DF1533205 | Film, 3300PF \pm 5% |
| C316 | 1 | 1 | 1 | DF1533205 | Film, 3300PF \pm 5% |
| C317 | 1 | 1 | 1 | DF1515205 | Film, 1500PF \pm 5% |
| C318 | 1 | 1 | 1 | DF1515205 | Film, 1500PF \pm 5% |
| C319 | 1 | 1 | 1 | DF1522205 | Film, 2200PF \pm 5% |
| C320 | 1 | 1 | 1 | DF1522205 | Film, 2200PF \pm 5% |
| C321 | 1 | 1 | 1 | DF1510205 | Film, 1000PF \pm 5% |
| C322 | 1 | 1 | 1 | DF1510205 | Film, 1000PF \pm 5% |
| C323 | 1 | 1 | 1 | EV2240351 | Electrolytic, 0.22 μ F \pm 20%, 35V |
| C324 | 1 | 1 | 1 | EV2240351 | Electrolytic, 0.22 μ F \pm 20%, 35V |
| C325 | 1 | 1 | 1 | EV1050352 | Electrolytic, 1 μ F \pm 20%, 35V |
| C326 | 1 | 1 | 1 | EV1050352 | Electrolytic, 1 μ F \pm 20%, 35V |
| C327 | 1 | 1 | 1 | EA2270259 | Electrolytic, 220 μ F, 25V |
| C328 | 1 | 1 | 1 | EA2270169 | Electrolytic, 220 μ F, 16V |
| C329 | 1 | 1 | 1 | EA1060169 | Electrolytic, 10 μ F, 16V |
| C330 | 1 | 1 | 1 | DK1840302 | Ceramic, 0.04 μ F \pm 80%, -20% |
| C331 | 1 | 1 | 1 | EA1050509 | Electrolytic, 1 μ F, 50V |
| C332 | 1 | 1 | 1 | EA1060169 | Electrolytic, 10 μ F, 16V |
| C333 | 1 | 1 | 1 | DD1210001 | Ceramic, 10PF \pm 10% |
| C334 | 1 | 1 | 1 | DF1668301 | Film, 0.068 μ F \pm 10% |
| C335 | 1 | 1 | 1 | DF1740301 | Film, 0.04 μ F \pm 20% |
| C336 | 1 | 1 | 1 | DK1810402 | Ceramic, 0.1 μ F \pm 80%, -20% |
| C337 | 1 | 1 | 1 | EA4750359 | Electrolytic, 4.7 μ F, 35V |
| C338 | 1 | 1 | 1 | EA1050509 | Electrolytic, 1 μ F, 50V |
| C343 | 1 | 1 | 1 | DF1710402 | Film, 0.1 μ F \pm 20% |
| C344 | 1 | 1 | 1 | DK1820302 | Ceramic, 0.02 μ F \pm 80%, -20% |
| H301 | 1 | 1 | 1 | HF200301C | FET, 2SK30(Y) |
| H302 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828S |
| H303 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828S |
| H304 | 1 | 1 | 1 | HT307322A | Transistor, 2SC732 B or G |
| H305 | 1 | 1 | 1 | HT307322A | Transistor, 2SC732 B or G |
| H306 | 1 | 1 | 1 | HT104942A | Transistor, 2SA494 G or Y |
| H307 | 1 | 1 | 1 | HT104942A | Transistor, 2SA494 G or Y |
| H308 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| H309 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| P300-CAPACITORS | | | | | |
| P300-SEMICONDUCTORS | | | | | |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--|------|---|---|-----------|--|
| | U | C | E | | |
| H310 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| H311 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| H312 | 1 | 1 | 1 | HF200300A | FET, 2SK30 Y |
| H313 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| H314 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| H315 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828 S |
| H317 | 1 | 1 | 1 | HT308281D | Transistor, 2SC828S |
| H318 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H319 | 1 | 1 | 1 | HD1000105 | Diode, 1N60 |
| H321 | 1 | 1 | 1 | HC1000401 | I.C., HA1156 |
| P300-MISCELLANEOUS | | | | | |
| L301 | 1 | 1 | 1 | LS1029004 | MPX Coil, 56mH |
| L302 | 1 | 1 | 1 | LS1029004 | MPX Coil, 56mH |
| L303 | 1 | 1 | 1 | LS1029005 | MPX Coil, 43mH |
| L304 | 1 | 1 | 1 | LS1029005 | MPX Coil, 43mH |
| L305 | 1 | 1 | 1 | LC2105001 | Choke Coil, 1mH |
| J301 | 1 | 1 | 1 | YP1000113 | Plug |
| J314 | 1 | 1 | 1 | YP1000113 | Plug |
| J317 | 1 | 1 | 1 | YP1000113 | Plug |
| J322 | 1 | 1 | 1 | YP1000113 | Plug |
| DOLBY LEVEL CIRCUIT BOARD-PC01 | | | | | |
| PC01 | 1 | 1 | 1 | YD2916003 | P.W.Board, Dolby Level (Print Only) |
| | 1 | 1 | 1 | ZZ2916003 | P. W. Board Assembly |
| PC01-RESISTORS | | | | | |
| RC01 | 1 | 1 | 1 | RA0104015 | Trimming, 100K Ω (B) |
| RC02 | 1 | 1 | 1 | RA0104015 | Trimming, 100K Ω (B) |
| RC03 | 1 | 1 | 1 | RT0568314 | 68K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC04 | 1 | 1 | 1 | RT0568314 | 68K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC05 | 1 | 1 | 1 | RT0510414 | 100K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC06 | 1 | 1 | 1 | RT0510414 | 100K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC07 | 1 | 1 | 1 | RT0539214 | 3.9K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC08 | 1 | 1 | 1 | RT0539214 | 3.9K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC09 | 1 | 1 | 1 | RT0510414 | 100K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RC10 | 1 | 1 | 1 | RT0510414 | 100K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| PC01-CAPACITORS | | | | | |
| CC01 | 1 | 1 | 1 | EV1050256 | Electrolytic, 1 μF , 25V |
| CC02 | 1 | 1 | 1 | EV1050256 | Electrolytic, 1 μF , 25V |
| CC03 | 1 | 1 | 1 | EV1050256 | Electrolytic, 1 μF , 25V |
| CC04 | 1 | 1 | 1 | EV1050256 | Electrolytic, 1 μF , 25V |
| PC01-MISCELLANEOUS | | | | | |
| JC01 | 1 | 1 | 1 | YP1000113 | Plug |
| JC02 | 1 | 1 | 1 | YP1000113 | Plug |
| JC03 | 1 | 1 | 1 | YP1000113 | Plug |
| JC04 | 1 | 1 | 1 | YP1000113 | Plug |
| JC05 | 1 | 1 | 1 | YP1000113 | Plug |
| JC06 | 1 | 1 | 1 | YP1000113 | Plug |
| JC07 | 1 | 1 | 1 | YP1000113 | Plug |
| JC08 | 1 | 1 | 1 | YP1000113 | Plug |
| HC01 | 1 | 1 | 1 | HT313272A | Transistor, 2SC1327 S.T |
| HC02 | 1 | 1 | 1 | HT313272A | Transistor, 2SC1327 S.T |
| ANTENNA MUTING CIRCUIT BOARD-PU01 | | | | | |
| PU01 | 1 | 1 | 1 | YD2916007 | P.W. Board, Antenna Muting (Print Only) |
| | 1 | 1 | 1 | ZZ2916007 | P.W. Board Assembly |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--|------|---|---|-----------|--|
| | U | C | E | | |
| RU04 | 1 | 1 | 1 | RK0203032 | Variable Resistor, 20K Ω (B) |
| RU05 | 1 | 1 | 1 | RK0503010 | Variable Resistor, 50K Ω (B) |
| RU06 | 1 | 1 | 1 | RT0543214 | Resistor, 4.3K $\Omega \pm 5\%$, $\frac{1}{4}W$ |
| LU01 | 1 | 1 | 1 | LB3007526 | Balun Coil |
| LU02 | 1 | 1 | 1 | LC1154002 | Choke Coil |
| JU01 | 1 | 1 | 1 | YT0304009 | Terminal, Antenna |
| JU02 | 1 | 1 | 1 | YP1000113 | Plug |
| JU07 | 1 | 1 | 1 | YP1000113 | Plug |
| FUNCTION LAMP CIRCUIT BOARD-PY01 | | | | | |
| PY01 | 1 | 1 | 1 | YD2916006 | P.W. Board, Function Lamp(Print Only) |
| | 1 | 1 | 1 | ZZ2927106 | P.W. Board Assembly |
| PY01-MISCELLANEOUS | | | | | |
| MY02 | 1 | 1 | 1 | IN1008037 | Lamp, AM, 8V 40mA |
| MY03 | 1 | 1 | 1 | IN1008037 | Lamp, FM, 8V 40mA |
| MY04 | 1 | 1 | 1 | IN1008037 | Lamp, PHONO, 8V 40mA |
| MY05 | 1 | 1 | 1 | IN1008037 | Lamp, TAPE 1, 8V 40mA |
| MY06 | 1 | 1 | 1 | IN1008037 | Lamp, AUX, 8V 40mA |
| JY02 | 1 | 1 | 1 | YP1000113 | Plug |
| JY11 | 1 | 1 | 1 | YP1000113 | Plug |
| DIAL LAMP CIRCUIT BOARD-PZ01 | | | | | |
| PZ01 | 1 | 1 | 1 | YD2886016 | P.W. Board, Dial Lamp(Print Only) |
| | 1 | 1 | 1 | ZZ2927116 | P.W. Board Assembly |
| PZ01-MISCELLANEOUS | | | | | |
| MZ01 | 1 | 1 | 1 | IN1008007 | Lamp |
| MZ05 | 1 | 1 | 1 | IN1008007 | Lamp |
| JZ01 | 1 | 1 | 1 | YJ0800017 | Socket |
| JZ10 | 1 | 1 | 1 | YJ0800017 | Socket |
| JZ11 | 1 | 1 | 1 | YP1000113 | Plug |
| JZ14 | 1 | 1 | 1 | YP1000113 | Plug |
| FILTER & DOLBY CIRCUIT BOARD-PH01 | | | | | |
| PH01 | 1 | 1 | 1 | YD2915008 | P.W. Board, Filter & Dolby(Print Only) |
| | 1 | 1 | 1 | ZZ2915008 | P.W. Board Assembly |
| | | | 1 | ZZ2915808 | P.W. Board Assembly |
| PH01-RESISTORS | | | | | |
| RH01 | 1 | 1 | 1 | RT0510214 | 1K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH02 | 1 | 1 | 1 | RT0510214 | 1K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH04 | 1 | 1 | 1 | RT0510514 | 1M Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH05 | 1 | 1 | 1 | RT0510514 | 1M Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH06 | 1 | 1 | 1 | RT0547214 | 4.7K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH07 | 1 | 1 | 1 | RT0547214 | 4.7K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH08 | 1 | 1 | 1 | RT0522514 | 2.2M Ω $\pm 5\%$, $\frac{1}{4}W$ |
| RH09 | 1 | 1 | 1 | RT0522514 | 2.2M Ω $\pm 5\%$, $\frac{1}{4}W$ |
| PH01-CAPACITORS, SWITCH & PLUGS | | | | | |
| CH01 | 1 | 1 | 1 | DF1522205 | Film, 0.0022 $\mu F \pm 10\%$, 50V |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--|------|---|---|-----------|--|
| | U | C | E | | |
| CH02 | 1 | 1 | | DF1522205 | Film, 0.0022 μ F \pm 10%,50V |
| CH03 | 1 | 1 | 1 | DF1668205 | Film, 0.0068 μ F \pm 10%,50V |
| CH04 | 1 | 1 | 1 | DF1668205 | Film, 0.0068 μ F \pm 10%,50V |
| CH01 | | | | DF1510205 | Film, 0.001 μ F \pm 5%, 50V |
| CH02 | | | | DF1510205 | Film, 0.001 μ F \pm 5%, 50V |
| CH05 | 1 | 1 | 1 | EV2240351 | Electrolytic, 0.22 μ F \pm 20%,35V |
| CH06 | 1 | 1 | 1 | EV2240351 | Electrolytic, 0.22 μ F \pm 20%,35V |
| SH01 | 1 | 1 | 1 | SP0404014 | Pushswitch |
| JH01 ? JH28 | 1 | 1 | 1 | YP1000120 | Plug |
| MAIN & REMOTE SWITCH CIRCUIT BOARD-PT01 | | | | | |
| PT01 | 1 | 1 | 1 | YD2915006 | P.W. Board, Main & Remote Switch |
| | 1 | 1 | 1 | ZZ2915006 | P.W. Board Assembly |
| PT01-RESISTORS | | | | | |
| RT01 | 1 | 1 | 1 | RT0568314 | 68K Ω \pm 5%, $\frac{1}{4}$ W |
| RT02 | 1 | 1 | 1 | RT0568314 | 68K Ω \pm 5%, $\frac{1}{4}$ W |
| RT03 | 1 | 1 | 1 | RT0515314 | 15K Ω \pm 5%, $\frac{1}{4}$ W |
| RT04 | 1 | 1 | 1 | RT0515314 | 15K Ω \pm 5%, $\frac{1}{4}$ W |
| RT05 | 1 | 1 | 1 | GJ0533102 | 330 Ω \pm 5%, 2W |
| RT06 | 1 | 1 | 1 | GJ0533102 | 330 Ω \pm 5%, 2W |
| RT07 | 1 | 1 | 1 | GU0515112 | 150 Ω \pm 5%, $\frac{1}{2}$ W |
| RT08 | 1 | 1 | 1 | GU0515112 | 150 Ω \pm 5%, $\frac{1}{2}$ W |
| PT01-CAPACITORS | | | | | |
| CT01 | 1 | 1 | 1 | DD1612101 | Ceramic, 120PF \pm 10%, 50V |
| CT02 | 1 | 1 | 1 | DD1612101 | Ceramic, 120PF \pm 10%, 50V |
| CT03 | 1 | 1 | 1 | DF1627305 | Film, 0.027 μ F \pm 10%, 50V |
| CT04 | 1 | 1 | 1 | DF1627305 | Film, 0.027 μ F \pm 10%, 50V |
| PT01-MISCELLANEOUS | | | | | |
| ST01 | 1 | 1 | 1 | SP0404011 | Pushswitch |
| JT01 ? JT16 | 1 | 1 | 1 | YP1000120 | Plug |
| EQUALIZER AMP. CIRCUIT BOARD-P400 | | | | | |
| P400 | 1 | 1 | 1 | YD2915003 | P.W. Board, Equalizer Amp.(Print Only) |
| | 1 | 1 | 1 | ZZ2915003 | P.W. Board Assembly |
| P400-RESISTORS All resistors are \pm 5% and $\frac{1}{4}$ W. | | | | | |
| R401 | 1 | 1 | 1 | RT0582314 | 82K Ω |
| R402 | 1 | 1 | 1 | RT0582314 | 82K Ω |
| R403 | 1 | 1 | 1 | RT0547114 | 470 Ω |
| R404 | 1 | 1 | 1 | RT0547114 | 470 Ω |
| R405 | 1 | 1 | 1 | RN0539414 | 390K Ω |
| R406 | 1 | 1 | 1 | RN0539414 | 390K Ω |
| R407 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R408 | 1 | 1 | 1 | RT0522314 | 22K Ω |
| R409 | 1 | 1 | 1 | RT0582114 | 820 Ω |
| R410 | 1 | 1 | 1 | RT0582114 | 820 Ω |
| R411 | 1 | 1 | 1 | RN0510414 | 100K Ω |
| R412 | 1 | 1 | 1 | RN0510414 | 100K Ω |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|---|------|---|---|-----------|--|
| | U | C | E | | |
| R413 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R414 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R415 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| R416 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| R417 | 1 | 1 | 1 | RT0518214 | 1.8K Ω |
| R418 | 1 | 1 | 1 | RT0518214 | 1.8K Ω |
| R419 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R420 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R421 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R422 | 1 | 1 | 1 | RT0522414 | 220K Ω |
| R423 | 1 | 1 | 1 | RT0556314 | 56K Ω |
| R424 | 1 | 1 | 1 | RT0556314 | 56K Ω |
| R425 | 1 | 1 | 1 | RT0533214 | 3.3K Ω |
| R426 | 1 | 1 | 1 | RT0533214 | 3.3K Ω |
| R427 | 1 | 1 | 1 | RN0582414 | 820K Ω |
| R428 | 1 | 1 | 1 | RN0582414 | 820K Ω |
| R429 | 1 | 1 | 1 | RT0510114 | 100 Ω |
| P400-CAPACITORS | | | | | |
| C401 | 1 | 1 | 1 | EV2250256 | Electrolytic, 2.2 μ F \pm 20%, 25V |
| C402 | 1 | 1 | 1 | EV2250256 | Electrolytic, 2.2 μ F \pm 20%, 25V |
| C403 | 1 | 1 | 1 | DD1520101 | Ceramic, 200PF \pm 10%, 50V |
| C404 | 1 | 1 | 1 | DD1520101 | Ceramic, 200PF \pm 10%, 50V |
| C405 | 1 | 1 | 1 | DD1610101 | Ceramic, 100PF \pm 10%, 50V |
| C406 | 1 | 1 | 1 | DD1610101 | Ceramic, 100PF \pm 10%, 50V |
| C407 | 1 | 1 | 1 | EE2260251 | Electrolytic, 22 μ F \pm 20%, 25V |
| C408 | 1 | 1 | 1 | EE2260251 | Electrolytic, 22 μ F \pm 20%, 25V |
| C409 | 1 | 1 | 1 | DD1615001 | Ceramic, 15PF \pm 10%, 50V |
| C410 | 1 | 1 | 1 | DD1615001 | Ceramic, 15PF \pm 10%, 50V |
| C411 | 1 | 1 | 1 | EA4760169 | Electrolytic, 47 μ F +100%,-10%,16V |
| C412 | 1 | 1 | 1 | EA4760169 | Electrolytic, 47 μ F +100%,-10%,16V |
| C413 | 1 | 1 | 1 | DD1610101 | Ceramic, 100PF \pm 10%, 50V |
| C414 | 1 | 1 | 1 | DD1610101 | Ceramic, 100PF \pm 10%, 50V |
| C415 | 1 | 1 | 1 | DF1747401 | Film, 0.47 μ F \pm 20%, 50V |
| C416 | 1 | 1 | 1 | DF1747401 | Film, 0.47 μ F \pm 20%, 50V |
| C417 | 1 | 1 | 1 | DF5412201 | Film, 1200PF \pm 2%, 50V |
| C418 | 1 | 1 | 1 | DF5412201 | Film, 1200PF \pm 2%, 50V |
| C419 | 1 | 1 | 1 | DF5547201 | Film, 4700PF \pm 5%, 50V |
| C420 | 1 | 1 | 1 | DF5547201 | Film, 4700PF \pm 5%, 50V |
| C421 | 1 | 1 | 1 | EA1070509 | Electrolytic, 100 μ F+100%,-10%,50V |
| C423 | 1 | 1 | 1 | DD1650001 | Ceramic, 50PF \pm 10%, 50V |
| C424 | 1 | 1 | 1 | DD1650001 | Ceramic, 50PF \pm 10%, 50V |
| P400-MISCELLANEOUS | | | | | |
| H401 | 1 | 1 | 1 | HT313281T | Transistor, 2SC1328T |
| H402 | 1 | 1 | 1 | HT313281T | Transistor, 2SC1328T |
| H403 | 1 | 1 | 1 | HT313282A | Transistor, 2SC1328S,T |
| H404 | 1 | 1 | 1 | HT313282A | Transistor, 2SC1328S,T |
| H405 | 1 | 1 | 1 | HT313281T | Transistor, 2SC1328T |
| H406 | 1 | 1 | 1 | HT313281T | Transistor, 2SC1328T |
| J401 ? J407 | 1 | 1 | 1 | YP1000113 | Plug |
| PRE & TONE AMP.CIRCUIT BOARD -PE01 | | | | | |
| PE01 | 1 | 1 | 1 | YD2915004 | P.W. Board, Pre & Tone Amp. (Print Only) |
| | 1 | 1 | 1 | ZZ2915004 | P.W. Board Assembly |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|----------------|------|---|---|-----------|--|
| | U | C | E | | |
| | | | | | PE01—RESISTORS All resistors are $\pm 5\%$ and $\frac{1}{4}W$, unless otherwise indicated. |
| RE01 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE02 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE03 | 1 | 1 | 1 | RT0539114 | 390 Ω |
| RE04 | 1 | 1 | 1 | RT0539114 | 390 Ω |
| RE05 | 1 | 1 | 1 | RN0510514 | 1M Ω |
| RE06 | 1 | 1 | 1 | RN0510514 | 1M Ω |
| RE07 | 1 | 1 | 1 | RN0510414 | 100K Ω |
| RE08 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| RE09 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| RE10 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| RE11 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| RE12 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| RE13 | 1 | 1 | 1 | RT0551214 | 5.1K Ω |
| RE14 | 1 | 1 | 1 | RT0551214 | 5.1K Ω |
| RE15 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| RE16 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| RE17 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE18 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE19 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| RE20 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| RE21 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| RE22 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| RE23 | 1 | 1 | 1 | RT0515414 | 150K Ω |
| RE24 | 1 | 1 | 1 | RT0515414 | 150K Ω |
| RE25 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| RE26 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| RE27 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| RE28 | 1 | 1 | 1 | RT0556214 | 5.6K Ω |
| RE29 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| RE30 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| RE31 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| RE32 | 1 | 1 | 1 | RT0512314 | 12K Ω |
| RE33 | 1 | 1 | 1 | RT0515314 | 15K Ω |
| RE34 | 1 | 1 | 1 | RT0515314 | 15K Ω |
| RE35 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE36 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE37 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| RE38 | 1 | 1 | 1 | RT0527314 | 27K Ω |
| RE39 | 1 | 1 | 1 | RT0522514 | 2.2M Ω |
| RE40 | 1 | 1 | 1 | RT0522514 | 2.2M Ω |
| RE41 | 1 | 1 | 1 | RT0568314 | 68K Ω |
| RE42 | 1 | 1 | 1 | RT0568314 | 68K Ω |
| RE43 | 1 | 1 | 1 | RT0547314 | 47K Ω |
| RE44 | 1 | 1 | 1 | RT0547314 | 47K Ω |
| RE45 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| RE46 | 1 | 1 | 1 | RT0510314 | 10K Ω |
| RE47 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| RE48 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| RE49 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE50 | 1 | 1 | 1 | RT0547414 | 470K Ω |
| RE51 | 1 | 1 | 1 | RM0104005 | Variable, 100K Ω (B)High |
| RE52 | 1 | 1 | 1 | RM0104005 | Variable, 100K Ω (B)Mid |
| RE53 | 1 | 1 | 1 | RM0104005 | Variable, 100K Ω (B)Low |
| RE54 | 1 | 1 | 1 | RT0582114 | 820 Ω |
| RE55 | 1 | 1 | 1 | RC0000012 | 0 Ω , $\frac{1}{4}W$ |
| | | | | | PE01—CAPACITORS |
| CE01 | 1 | 1 | 1 | DF1722405 | Film, 0.22 μF $\pm 20\%$, 50V |
| CE02 | 1 | 1 | 1 | DF1722405 | Film, 0.22 μF $\pm 20\%$, 50V |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|----------------|------|---|---|-----------|--|
| | U | C | E | | |
| CE03 | 1 | 1 | 1 | EA1060359 | Electrolytic, 10 μF +100%,-10%,35V |
| CE04 | 1 | 1 | 1 | EA1060359 | Electrolytic, 10 μF +100%,-10%,35V |
| CE05 | 1 | 1 | 1 | EE4750251 | Electrolytic, 4.7 μF $\pm 20\%$, 25V |
| CE06 | 1 | 1 | 1 | EE4750251 | Electrolytic, 4.7 μF $\pm 20\%$, 25V |
| CE07 | 1 | 1 | 1 | DD1610101 | Ceramic, 100PF $\pm 10\%$, 50V |
| CE08 | 1 | 1 | 1 | DD1610101 | Ceramic, 100PF $\pm 10\%$, 50V |
| CE09 | 1 | 1 | 1 | DF1622205 | Film, 2200 μF $\pm 10\%$, 50V |
| CE10 | 1 | 1 | 1 | DF1622205 | Film, 2200 μF $\pm 10\%$, 50V |
| CE11 | 1 | 1 | 1 | DF1668205 | Film, 6800PF $\pm 10\%$, 50V |
| CE12 | 1 | 1 | 1 | DF1668205 | Film, 6800PF $\pm 10\%$, 50V |
| CE13 | 1 | 1 | 1 | DF1622305 | Film, 0.022 μF $\pm 10\%$, 50V |
| CE14 | 1 | 1 | 1 | DF1622305 | Film, 0.022 μF $\pm 10\%$, 50V |
| CE15 | 1 | 1 | 1 | DF1622305 | Film, 0.022 μF $\pm 10\%$, 50V |
| CE16 | 1 | 1 | 1 | DF1622305 | Film, 0.022 μF $\pm 10\%$, 50V |
| CE17 | 1 | 1 | 1 | DF1610305 | Film, 0.01 μF $\pm 10\%$, 50V |
| CE18 | 1 | 1 | 1 | DF1610305 | Film, 0.01 μF $\pm 10\%$, 50V |
| CE19 | 1 | 1 | 1 | EE1050501 | Electrolytic, 1 μF $\pm 20\%$, 50V |
| CE20 | 1 | 1 | 1 | EE1050501 | Electrolytic, 1 μF $\pm 20\%$, 50V |
| CE21 | 1 | 1 | 1 | EE3350501 | Electrolytic, 33 μF $\pm 20\%$, 50V |
| CE22 | 1 | 1 | 1 | EE3350501 | Electrolytic, 33 μF $\pm 20\%$, 50V |
| CE23 | 1 | 1 | 1 | EQ1050501 | Electrolytic, 1 μF $\pm 30\%$, 50V |
| CE24 | 1 | 1 | 1 | EQ1050501 | Electrolytic, 1 μF $\pm 30\%$, 50V |
| CE25 | 1 | 1 | 1 | EA2270359 | Electrolytic, 220 μF +100%,-10%,35V |
| | | | | | PE01-SEMICONDUCTORS & PLUGS |
| HE01 | 1 | 1 | 1 | HT313283A | Transistor, 2SC1328 S,T,U |
| HE02 | 1 | 1 | 1 | HT313283A | Transistor, 2SC1328 S,T,U |
| HE03 | 1 | 1 | 1 | HT107632A | Transistor, 2SA763 4.5 |
| HE04 | 1 | 1 | 1 | HT107632A | Transistor, 2SA763 4.5 |
| HE05 | 1 | 1 | 1 | HT313283A | Transistor, 2SC1328 S,T,U |
| HE06 | 1 | 1 | 1 | HT313283A | Transistor, 2SC1328 S,T,U |
| HE07 | 1 | 1 | 1 | HT107632A | Transistor, 2SA763 4.5 |
| HE08 | 1 | 1 | 1 | HT107632A | Transistor, 2SA763 4.5 |
| JE01 | 1 | 1 | 1 | YP1000113 | Plug |
| JE08 | 1 | 1 | 1 | | |
| | | | | | MAIN AMP.CIRCUIT BOARD-P700 |
| P700 | 1 | 1 | 1 | YD2890004 | P.W. Board, Main Amp.(Print Only) |
| | 1 | 1 | 1 | ZZ2927204 | P.W. Board Assembly |
| | | | | | P700-RESISTORS All resistors are $\pm 5\%$ and $\frac{1}{4}W$, unless otherwise indicated. |
| R701 | 1 | 1 | 1 | RT0520214 | 2K Ω |
| R702 | 1 | 1 | 1 | RT0520214 | 2K Ω |
| R703 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R704 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R705 | 1 | 1 | 1 | RT0568214 | 6.8K Ω |
| R706 | 1 | 1 | 1 | RT0568214 | 6.8K Ω |
| R707 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R708 | 1 | 1 | 1 | RT0510214 | 1K Ω |
| R709 | 1 | 1 | 1 | RT0556314 | 56K Ω |
| R710 | 1 | 1 | 1 | RT0556314 | 56K Ω |
| R711 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R712 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R713 | 1 | 1 | 1 | RA0502017 | Trimming, 5K Ω (B) |
| R714 | 1 | 1 | 1 | RA0502017 | Trimming, 5K Ω (B) |
| R715 | 1 | 1 | 1 | RT0515414 | 150K Ω |
| R716 | 1 | 1 | 1 | RT0515414 | 150K Ω |
| R717 | 1 | 1 | 1 | RT0520214 | 2K Ω |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--|------|---|---|-----------|--|
| | U | C | E | | |
| R718 | 1 | 1 | 1 | RT0520214 | 2K Ω |
| R719 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R720 | 1 | 1 | 1 | RT0533314 | 33K Ω |
| R721 | 1 | 1 | 1 | GF0510212 | 1K Ω $\pm 5\%$, $\frac{1}{2}W$ |
| R722 | 1 | 1 | 1 | RT0524214 | 2.4K Ω |
| R723 | 1 | 1 | 1 | RT0524214 | 2.4K Ω |
| R724 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R725 | 1 | 1 | 1 | RT0547214 | 4.7K Ω |
| R728 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| R729 | 1 | 1 | 1 | RT0522114 | 220 Ω |
| R730 | 1 | 1 | 1 | GF0533014 | 33 Ω |
| R731 | 1 | 1 | 1 | GF0533014 | 33 Ω |
| R732 | 1 | 1 | 1 | GF0543114 | 430 Ω |
| R733 | 1 | 1 | 1 | GF0543114 | 430 Ω |
| R734 | 1 | 1 | 1 | GF0527114 | 270 Ω |
| R735 | 1 | 1 | 1 | GF0527114 | 270 Ω |
| R736 | 1 | 1 | 1 | GF0524214 | 2.4K Ω |
| R737 | 1 | 1 | 1 | GF0524214 | 2.4K Ω |
| R738 | 1 | 1 | 1 | GF0527214 | 2.7K Ω |
| R739 | 1 | 1 | 1 | GF0527214 | 2.7K Ω |
| R740 | 1 | 1 | 1 | GF0533214 | 3.3K Ω |
| R741 | 1 | 1 | 1 | GF0533214 | 3.3K Ω |
| R742 | 1 | 1 | 1 | GF0510114 | 100 Ω |
| R743 | 1 | 1 | 1 | GF0510114 | 100 Ω |
| R744 | 1 | 1 | 1 | GF0510114 | 100 Ω |
| R745 | 1 | 1 | 1 | GF0510114 | 100 Ω |
| R746 | 1 | 1 | 1 | GJ0510002 | 10 Ω $\pm 5\%$, 2W |
| R747 | 1 | 1 | 1 | GJ0510002 | 10 Ω $\pm 5\%$, 2W |
| R748 | 1 | 1 | 1 | GF0510014 | 10 Ω |
| R749 | 1 | 1 | 1 | GF0510014 | 10 Ω |
| R750 | 1 | 1 | 1 | GF0522112 | 220 Ω $\pm 5\%$, $\frac{1}{2}W$ |
| R751 | 1 | 1 | 1 | GF0522112 | 220 Ω $\pm 5\%$, $\frac{1}{2}W$ |
| R752 | 1 | 1 | 1 | GF0522112 | 220 Ω $\pm 5\%$, $\frac{1}{2}W$ |
| R753 | 1 | 1 | 1 | GF0522112 | 220 Ω $\pm 5\%$, $\frac{1}{2}W$ |
| R754 | 1 | 1 | 1 | GF0510014 | 10 Ω |
| R755 | 1 | 1 | 1 | GF0510014 | 10 Ω |
| R756 | 1 | 1 | 1 | GX1022203 | 0.22 Ω $\pm 10\%$, 3W |
| R757 | 1 | 1 | 1 | GX1022203 | 0.22 Ω $\pm 10\%$, 3W |
| R758 | 1 | 1 | 1 | GX1022203 | 0.22 Ω $\pm 10\%$, 3W |
| R759 | 1 | 1 | 1 | GX1022203 | 0.22 Ω $\pm 10\%$, 3W |
| R760 | 1 | 1 | 1 | RC1039212 | 3.9K Ω $\pm 10\%$, $\frac{1}{2}W$ |
| R761 | 1 | 1 | 1 | RC1039212 | 3.9K Ω $\pm 10\%$, $\frac{1}{2}W$ |
| R762 | 1 | 1 | 1 | GF0522014 | 22 Ω |
| R763 | 1 | 1 | 1 | GF0522014 | 22 Ω |
| R764 | 1 | 1 | 1 | RC1002212 | 2.2 Ω $\pm 10\%$, $\frac{1}{2}W$ |
| R765 | 1 | 1 | 1 | RC1002212 | 2.2 Ω $\pm 10\%$, $\frac{1}{2}W$ |
| R766 | 1 | 1 | 1 | RA0201005 | Trimming, 200 Ω (B) |
| R767 | 1 | 1 | 1 | RA0201005 | Trimming, 200 Ω (B) |
| P700-CAPACITORS | | | | | |
| C701 | 1 | 1 | 1 | EE3350251 | Electrolytic, 3.3 μF $\pm 20\%$, 25V |
| C702 | 1 | 1 | 1 | EE3350251 | Electrolytic, 3.3 μF $\pm 20\%$, 25V |
| C703 | 1 | 1 | 1 | DD1620101 | Ceramic, 200PF $\pm 10\%$, 50V |
| C704 | 1 | 1 | 1 | DD1620101 | Ceramic, 200PF $\pm 10\%$, 50V |
| C705 | 1 | 1 | 1 | EA1060359 | Electrolytic, 10 μF $\pm 100\%$, -10%, 35V |
| C707 | 1 | 1 | 1 | DD1003050 | Ceramic, 3PF, 500V |
| C708 | 1 | 1 | 1 | DD1003050 | Ceramic, 3PF, 500V |
| C709 | 1 | 1 | 1 | EA4760509 | Electrolytic, 47 μF $\pm 100\%$, -10%, 50V |
| C710 | 1 | 1 | 1 | EA4760509 | Electrolytic, 47 μF $\pm 100\%$, -10%, 50V |
| C711 | 1 | 1 | 1 | EE4760162 | Electrolytic, 47 μF $\pm 20\%$, 16V |
| C712 | 1 | 1 | 1 | EE4760162 | Electrolytic, 47 μF $\pm 20\%$, 16V |
| C713 | 1 | 1 | 1 | ED2270509 | Electrolytic, 220 μF $\pm 50\%$, -10%, 50V |
| C714 | 1 | 1 | 1 | ED2270509 | Electrolytic, 220 μF $\pm 50\%$, -10%, 50V |
| C719 | 1 | 1 | 1 | DK1610150 | Ceramic, 100PF |
| C720 | 1 | 1 | 1 | DK1610150 | Ceramic, 100PF |
| C721 | 1 | 1 | 1 | DF1710452 | Film, 0.1 μF , 200V |
| C722 | 1 | 1 | 1 | DF1710452 | Film, 0.1 μF , 200V |
| C725 | 1 | 1 | 1 | DF1610205 | Film, 0.001 μF $\pm 10\%$, 50V |
| C726 | 1 | 1 | 1 | DF1610205 | Film, 0.001 μF $\pm 10\%$, 50V |
| P700-SEMICONDUCTORS | | | | | |
| H701 | 1 | 1 | 1 | HT107631B | Transistor, 2SA763 4.5 |
| H702 | 1 | 1 | 1 | HT107631B | Transistor, 2SA763 4.5 |
| H703 | 1 | 1 | 1 | HT107631B | Transistor, 2SA763 4.5 |
| H704 | 1 | 1 | 1 | HT107631B | Transistor, 2SA763 4.5 |
| H705 | 1 | 1 | 1 | HT308753B | Transistor, 2SC875 C,D,E |
| H706 | 1 | 1 | 1 | HT308753B | Transistor, 2SC875 C,D,E |
| H707 | 1 | 1 | 1 | HT309451Q | Transistor, 2SC945 Q |
| H708 | 1 | 1 | 1 | HT309451Q | Transistor, 2SC945 Q |
| H709 | 1 | 1 | 1 | HT107331Q | Transistor, 2SA733 Q |
| H710 | 1 | 1 | 1 | HT107331Q | Transistor, 2SA733 Q |
| H711 | 1 | 1 | 1 | HT309591L | Transistor, 2SC959 M,L,K |
| H712 | 1 | 1 | 1 | HT309591L | Transistor, 2SC959 M,L,K |
| H713 | 1 | 1 | 1 | HT106061L | Transistor, 2SA606 M,L,K |
| H714 | 1 | 1 | 1 | HT106061L | Transistor, 2SA606 M,L,K |
| H715 | 1 | 1 | 1 | HD3003009 | Diode, WZ-177 |
| H716 | 1 | 1 | 1 | HV0000312 | Varistor, MV-13 |
| H717 | 1 | 1 | 1 | HV0000312 | Varistor, MV-13 |
| H718 | 1 | 1 | 1 | HD2000221 | Diode, 1S2472 (Gr) |
| H719 | 1 | 1 | 1 | HD2000221 | Diode, 1S2472 (Gr) |
| H720 | 1 | 1 | 1 | HT307351C | Transistor, 2SC735 Y |
| H721 | 1 | 1 | 1 | HT307351C | Transistor, 2SC735 Y |
| H722 | 1 | 1 | 1 | HD2000221 | Diode, 1S2472 (Gr) |
| H723 | 1 | 1 | 1 | HD2000221 | Diode, 1S2472 (Gr) |
| H724 | 1 | 1 | 1 | HD2000221 | Diode, 1S2472 (Gr) |
| H725 | 1 | 1 | 1 | HD2000221 | Diode, 1S2472 (Gr) |
| H727 | 1 | 1 | 1 | HH0000812 | Thermistor, 21 D 28 |
| H728 | 1 | 1 | 1 | HH0000812 | Thermistor, 21 D 28 |
| P700-MISCELLANEOUS | | | | | |
| L701 | 1 | 1 | 1 | LC2272001 | Coil, 2.7 μH |
| L702 | 1 | 1 | 1 | LC2272001 | Coil, 2.7 μH |
| J701 | 1 | 1 | 1 | YP1000113 | Plug |
| J730 | 1 | 1 | 1 | YP1000113 | Plug |
| POWER SUPPLY CIRCUIT BOARD-P800 | | | | | |
| P800 | 1 | 1 | 1 | YD2916002 | P.W. Board, Power Supply (Print Only) |
| | 1 | 1 | 1 | ZZ2927202 | P.W. Board Assembly |
| P800-RESISTORS | | | | | |
| R801 | 1 | 1 | 1 | GF0510012 | 10 Ω $\pm 5\%$, $\frac{1}{2}W$ |
| R802 | 1 | 1 | 1 | RT0547214 | 4.7K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| R803 | 1 | 1 | 1 | RT0547214 | 4.7K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| R804 | 1 | 1 | 1 | RT0539214 | 3.9K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| R805 | 1 | 1 | 1 | RT0522314 | 22K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| R806 | 1 | 1 | 1 | RA0502013 | Trimming, 5K Ω (B) |
| R807 | 1 | 1 | 1 | GS1015105 | 150 Ω $\pm 10\%$, 5W |
| R808 | 1 | 1 | 1 | RT0533214 | 3.3K Ω $\pm 5\%$, $\frac{1}{4}W$ |
| R809 | 1 | 1 | 1 | RT0510014 | 10 Ω $\pm 5\%$, $\frac{1}{4}W$ |
| R810 | 1 | 1 | 1 | RT0518314 | 18K Ω $\pm 5\%$, $\frac{1}{4}W$ |

U: For U.S.A.
C: For Canada
E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|------------------------------|------|---|---|-----------|--|
| | U | C | E | | |
| R811 | 1 | 1 | 1 | RT0515314 | 15K Ω \pm 5%, $\frac{1}{4}$ W |
| R812 | 1 | 1 | 1 | RT0568214 | 6.8K Ω \pm 5%, $\frac{1}{4}$ W |
| R813 | 1 | 1 | 1 | RT0524414 | 240K Ω \pm 5%, $\frac{1}{4}$ W |
| R814 | 1 | 1 | 1 | RT0539314 | 39K Ω \pm 5%, $\frac{1}{4}$ W |
| R815 | 1 | 1 | 1 | GU0547112 | 470 Ω \pm 5%, $\frac{1}{2}$ W |
| R816 | 1 | 1 | 1 | GU0556212 | 5.6K Ω \pm 5%, $\frac{1}{2}$ W |
| R817 | 1 | 1 | 1 | GU0556212 | 5.6K Ω \pm 5%, $\frac{1}{2}$ W |
| R818 | 1 | 1 | 1 | RT0556214 | 5.6K Ω \pm 5%, $\frac{1}{4}$ W |
| P800-CAPACITORS | | | | | |
| C801 | 1 | 1 | 1 | EA2270631 | Electrolytic, 220 μ F, 63V |
| C802 | 1 | 1 | 1 | EA1070509 | Electrolytic, 100 μ F, 50V |
| C803 | 1 | 1 | 1 | DK1810351 | Film, 0.01 μ F, 50V |
| C804 | 1 | 1 | 1 | EA2260359 | Electrolytic, 22 μ F, 35V |
| C805 | 1 | 1 | 1 | EA3370509 | Electrolytic, 330 μ F, 50V |
| C806 | 1 | 1 | 1 | EA4770169 | Electrolytic, 470 μ F, 16V |
| C807 | 1 | 1 | 1 | EA4750509 | Electrolytic, 4.7 μ F, 50V |
| C808 | 1 | 1 | 1 | EA4760169 | Electrolytic, 47 μ F, 16V |
| C809 | 1 | 1 | 1 | EA2270109 | Electrolytic, 220 μ F, 10V |
| C810 | 1 | 1 | 1 | DK1810351 | Ceramic, 0.01 μ F, 200V |
| P800-SEMICONDUCTORS | | | | | |
| H801 | 1 | 1 | 1 | HT403302A | Transistor, 2SD330 DE |
| H802 | 1 | 1 | 1 | HT313183A | Transistor, 2SC1318 P,Q,R |
| H803 | 1 | 1 | 1 | HT309452A | Transistor, 2SC945 Q,R |
| H804 | 1 | 1 | 1 | HT403314A | Transistor, 2SD331 C,D,E,F |
| H805 | 1 | 1 | 1 | HT309452A | Transistor, 2SC945 Q,R |
| H806 | 1 | 1 | 1 | HT313182R | Transistor, 2SC1318 R,S |
| H807 | 1 | 1 | 1 | HT313182R | Transistor, 2SC1318 R,S |
| H808 | 1 | 1 | 1 | HD2001103 | Diode, DS131-B |
| H809 | 1 | 1 | 1 | HD3002309 | Diode, WZ-071 |
| H810 | 1 | 1 | 1 | HD3002709 | Diode, WZ-140 |
| H811 | 1 | 1 | 1 | HD2001103 | Diode, DS131B |
| H812 | 1 | 1 | 1 | HD2000321 | Diode, IS2471 |
| P800-MISCELLANEOUS | | | | | |
| L801 | 1 | 1 | 1 | LY2024006 | Relay, MY2, 24V |
| J801 | 1 | 1 | 1 | YP1000113 | Plug |
| J810 | 1 | 1 | 1 | | |
| GENERAL MISCELLANEOUS | | | | | |
| R001 | 1 | 1 | 1 | RS0504002 | Variable Resistor, BALANCE |
| R002 | 1 | 1 | 1 | RM0254022 | Variable Resistor, VOLUME |
| R003 | 1 | 1 | 1 | RC1022512 | Resistor, 2.2M Ω \pm 10%, $\frac{1}{2}$ W |
| R004 | 1 | 1 | 1 | GF0515112 | Resistor, 150 Ω \pm 5%, $\frac{1}{2}$ W |
| R005 | 1 | 1 | 1 | RT0520214 | Resistor, 2K Ω \pm 5%, $\frac{1}{4}$ W |
| C001 | 1 | 1 | 1 | EC1090502 | Electrolytic Cap., 10,000 μ F, 50V |
| C002 | 1 | 1 | 1 | EC1090502 | Electrolytic Cap., 10,000 μ F, 50V |
| C003 | 1 | 1 | 1 | DK1710301 | Ceramic Cap., 0.01 μ F \pm 20%, 50V |
| C004 | 1 | 1 | 1 | DK1710301 | Ceramic Cap., 0.01 μ F \pm 20%, 50V |
| C005 | 1 | 1 | 1 | DK1840301 | Ceramic Cap., 0.04 μ F, 50V |
| C006 | 1 | 1 | 1 | DF1722380 | Film Cap., 0.022 μ F \pm 20%, 1000V |
| C007 | 1 | 1 | 1 | DK1810351 | Ceramic Cap., 0.01 μ F \pm 20%, 500V |
| G001 | 1 | 1 | 1 | BF1040003 | Printed Comp. |
| M001 | 1 | 1 | 1 | IM1104208 | Meter, AM/FM |
| M002 | 1 | 1 | 1 | IN1008030 | Lamp, Pointer |
| M003 | 1 | 1 | 1 | IN1008034 | Lamp, Stereo Indicator |
| M004 | 1 | 1 | 1 | IN1008007 | Lamp, Meter |
| L001 | 1 | 1 | 1 | LF1120038 | Antenna Coil, AM |
| L002 | 1 | 1 | 1 | LC1332002 | Choke Coil 3.3 μ H |
| L003 | 1 | 1 | 1 | LC1332002 | Choke Coil 3.3 μ H |

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|--------------------------------|------|---|---|-----------|-------------------------------|
| | U | C | E | | |
| L004 | 1 | 1 | 1 | TS1960213 | Power Transf., UL, CSA |
| L004 | 1 | 1 | 1 | TS1960214 | Power Transf., |
| H001 | 1 | 1 | 1 | HT308971B | Transistor, 2SC897 B, C |
| H002 | 1 | 1 | 1 | HT308971B | Transistor, 2SC897 B, C |
| H003 | 1 | 1 | 1 | HT107571B | Transistor, 2SA757 B, C |
| H004 | 1 | 1 | 1 | HT107571B | Transistor, 2SA757 B, C |
| H005 | 1 | 1 | 1 | HV0000308 | Varistor, SV-02 |
| H006 | 1 | 1 | 1 | HV0000308 | Varistor, SV-02 |
| H007 | 1 | 1 | 1 | HD2000510 | Diode, 5B-2 |
| H008 | 1 | 1 | 1 | HD2001105 | Diode, 1S1555 |
| S002 | 1 | 1 | 1 | SR1005008 | Rotary Switch, Selector |
| S001 | 1 | 1 | 1 | SP0201015 | Power Switch |
| F001 | 1 | 1 | 1 | FS1040005 | Fuse, 4A, MGC |
| F002 | 1 | 1 | 1 | FS2050090 | Fuse, 5A, SLA |
| W001 | 1 | 1 | 1 | YC0240010 | AC Cord |
| W001 | 1 | 1 | 1 | YC0190003 | AC Cord |
| J001 | 1 | 1 | 1 | YT0204008 | Terminal, 4P, Pin Jack |
| J002 | 1 | 1 | 1 | YT0208006 | Terminal, 8P, Pin Jack |
| J003 | 1 | 1 | 1 | YT0201009 | Terminal, 1P, Pin Jack |
| J004 | 1 | 1 | 1 | YT0204011 | Terminal, 4P, Pin Jack |
| J006 | 1 | 1 | 1 | YT0304006 | Terminal, Speaker |
| J007 | 1 | 1 | 1 | YT0304006 | Terminal, Speaker |
| J008 | 1 | 1 | 1 | YJ0400048 | Jack, AC Outlet |
| J009 | 1 | 1 | 1 | YJ0400048 | Jack, AC Outlet |
| J010 | 1 | 1 | 1 | YJ0800012 | Socket, Fuse Holder |
| J011 | 1 | 1 | 1 | YJ0100081 | Socket, DUBBING IN |
| J012 | 1 | 1 | 1 | YJ0100098 | Socket, DUBBING OUT |
| J013 | 1 | 1 | 1 | YJ0100098 | Headphone |
| J014 | 1 | 1 | 1 | YJ0500020 | Socket, Transistor |
| J015 | 1 | 1 | 1 | YJ0500020 | Socket, Transistor |
| J016 | 1 | 1 | 1 | YJ0500020 | Socket, Transistor |
| J017 | 1 | 1 | 1 | YJ0500020 | Socket, Transistor |
| J018 | 1 | 1 | 1 | YL0103018 | Terminal, 3P |
| J019 | 1 | 1 | 1 | YT0101003 | Terminal, Chassis Ground |
| J020 | 1 | 1 | 1 | YJ0800019 | Socket, Lamp |
| J021 | 1 | 1 | 1 | YL0106004 | Terminal, Voltage Conversion |
| FUSE CIRCUIT BOARD-PR01 | | | | | |
| PR01 | 1 | 1 | 1 | YD2871003 | P.W. Board, Fuse (Print Only) |
| PR01 | 1 | 1 | 1 | ZZ2871803 | P.W. Board Assembly |
| PR01-MISCELLANEOUS | | | | | |
| JR01 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR02 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR03 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR04 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR05 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR06 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR07 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR08 | 1 | 1 | 1 | YJ0800020 | Jack |
| JR09 | 1 | 1 | 1 | YP1000099 | Plug |
| JR10 | 1 | 1 | 1 | YP1000099 | Plug |
| JR11 | 1 | 1 | 1 | YP1000099 | Plug |
| JR12 | 1 | 1 | 1 | YP1000099 | Plug |
| JR13 | 1 | 1 | 1 | YP1000099 | Plug |
| JR14 | 1 | 1 | 1 | YP1000099 | Plug |
| JR15 | 1 | 1 | 1 | YP1000099 | Plug |
| JR16 | 1 | 1 | 1 | YP1000099 | Plug |

E: For Europe

| REF. DESIG. | QTY. | | | PART NO. | DESCRIPTION |
|----------------|------|---|---|-----------|---------------|
| | U | C | E | | |
| FR01 | | | 1 | FS1040090 | Fuse, 4A, SGA |
| FR02 | | | 1 | FS1010090 | Fuse, 1A, SGA |
| FR03 | | | 1 | FS1010090 | Fuse, 1A, SGA |
| FR04 | | | 1 | FS1040090 | Fuse, 4A, SGA |

11. TECHNICAL SPECIFICATIONS

AMPLIFIER SECTION

| | |
|---|---|
| Rated Power Output | 35 Watts per channel, continuous average power, both channels driven. |
| Power Band | 20 Hz to 20 kHz |
| Total Harmonic Distortion | 0.25% |
| Load Impedance | 8 ohms |
| Intermodulation Distortion at rated power | 0.5% |
| Damping Factor | .45 |
| Frequency Response | 20 Hz to 20 kHz ± 1.0 dB |

PREAMPLIFIER SECTION

Phono:

| | |
|---|------------------------------|
| Dynamic Range | 96 dB |
| Note: Dynamic Range is the ratio in dB of the phono input overload to equivalent input noise. | |
| Equivalent Input Noise | 1.5 μ V |
| Input Overload | 100 mV |
| Sensitivities (for rated power output) | |
| Phono | 1.8 mV |
| Tape | 180 mV |
| Main In | 1.0 V |
| Frequency Response (phono) | 30 Hz to 15 kHz ± 1.0 dB |
| Input Impedances | |
| Phono | 47 K ohms |
| Aux or Tape | 100 K ohms |
| Main In | 30 K ohms |
| Tape Output Level | 775 mV |
| Ref.: 7.75 mV at phono input | |
| Signal to Noise Ratio | |
| Aux Input | 80 dB |
| Phono Input | 65 dB |
| Tone Controls | |
| Bass: 50 Hz | ± 10 dB |
| Mid: 700 Hz | ± 6 dB |
| Treble: 15 kHz | ± 10 dB |

FM TUNER SECTION

Quieting Slope

| | |
|---------------------------------|-------------|
| RF Input for 30 dB Quieting | 1.9 μ V |
| Quieting at 5 μ V RF Input | 52 dB |
| Quieting at 10 μ V RF Input | 58 dB |
| Quieting at 50 μ V RF Input | 68 dB |

Total Harmonic Distortion

| | |
|---------|------|
| Mono: | 0.3% |
| Stereo: | 0.5% |

| | |
|---------------------------------|--------|
| Selectivity (alternate carrier) | 65 dB |
| Capture Ratio | 1.5 dB |
| Stereo Separation at 1 kHz | 40 dB |
| Spurious Rejection | 95 dB |
| Image Rejection | 70 dB |
| IF Rejection | 90 dB |
| AM Suppression | 50 dB |

AM TUNER SECTION

| | |
|-------------|------------|
| Sensitivity | 20 μ V |
|-------------|------------|

GENERAL

Power Requirements 120 V AC, 50/60 Hz

Power Consumption at rated output, both channels operating 180 Watts

Idling Power (Volume Control at zero) 30 Watts

Dimensions:

Panel Width 17-3/8 inches

Panel Height 5-3/8 inches

Depth 14 inches

Weight:

Unit alone 26.4 lbs.

Packed for shipment 36.4 lbs.

12. SERVICE INFORMATION FOR EUROPEAN MODEL

The information contained herein includes the fuse assembly PR01, rear panel and main chassis component locations, voltage conversion, FTZ regulation, and circuit diagram.

For the alignment method and repairing hints, refer to the original service manual.

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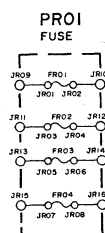


Figure 39. PR01 Circuit Diagram

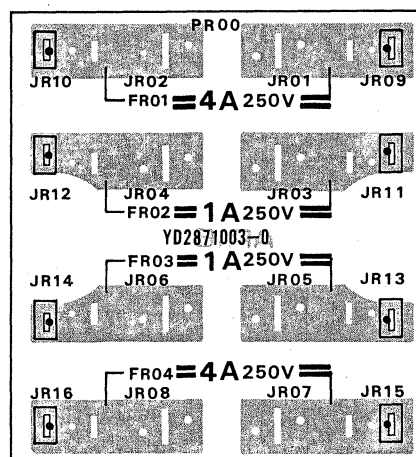


Figure 40. Fuse Board - PR01 Component Assembly Diagram

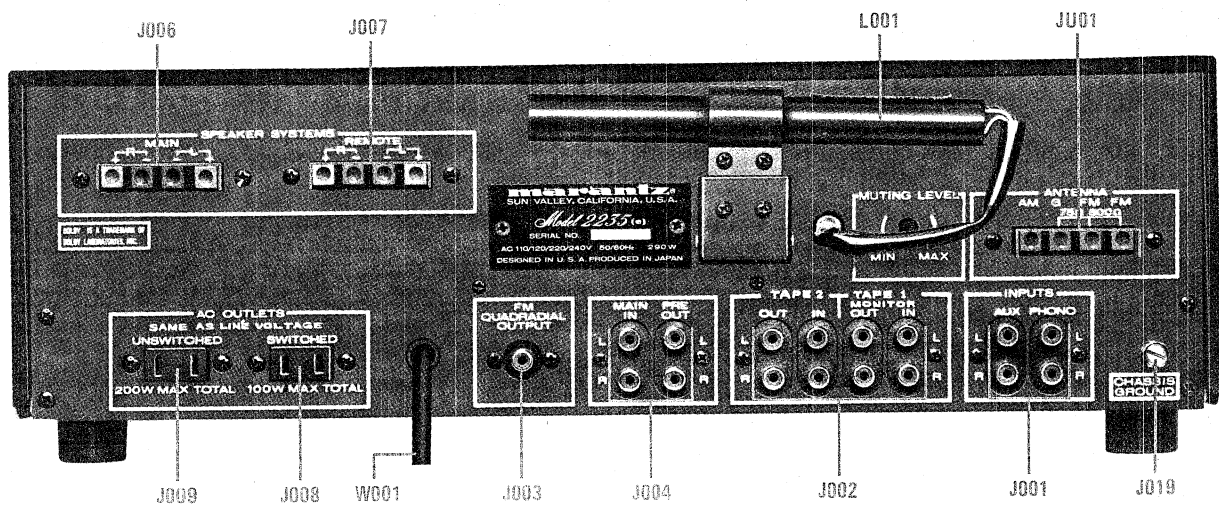


Figure 41. Rear Panel Jacks and Component Locations

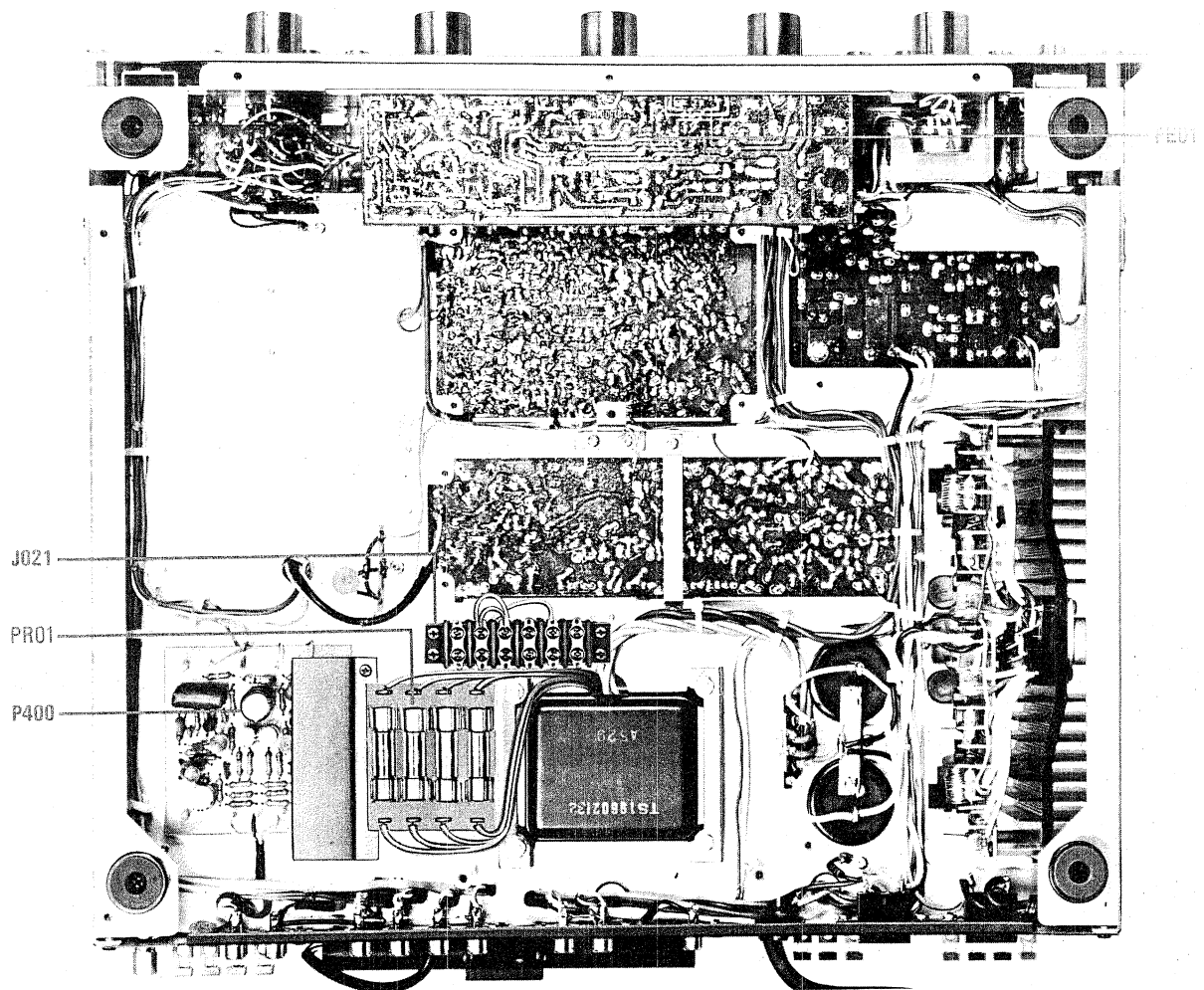


Figure 42. Main Chassis Component Locations (Bottom View)

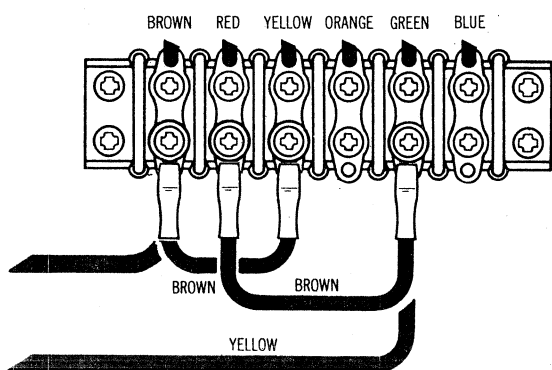
VOLTAGE CONVERSION

This model is equipped with a universal power transformer to permit operation at 110, 120, 220 and 240 V AC 50 to 60 Hz.

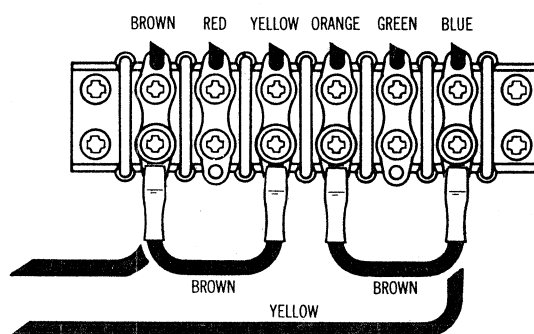
To convert the unit to the required voltage perform the following steps:

- (1) Remove the lid (top).
- (2) Change the jumper wires as illustrated below for the required AC voltage.

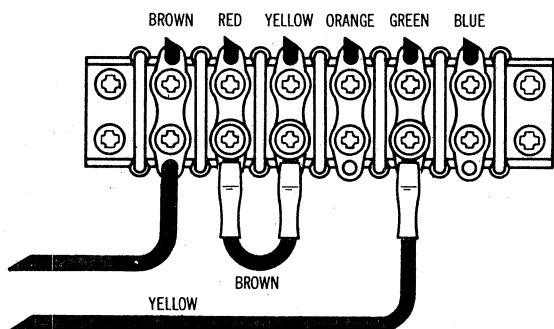
CAUTION: DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.



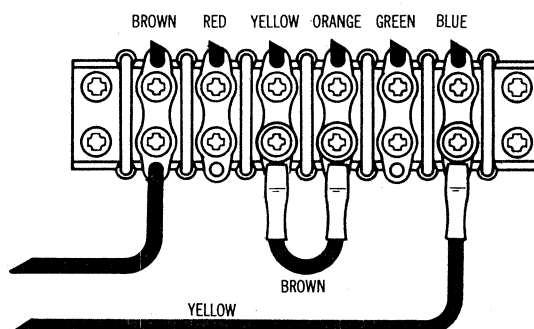
For 110V Operation



For 120V Operation



For 220V Operation



For 240V Operation

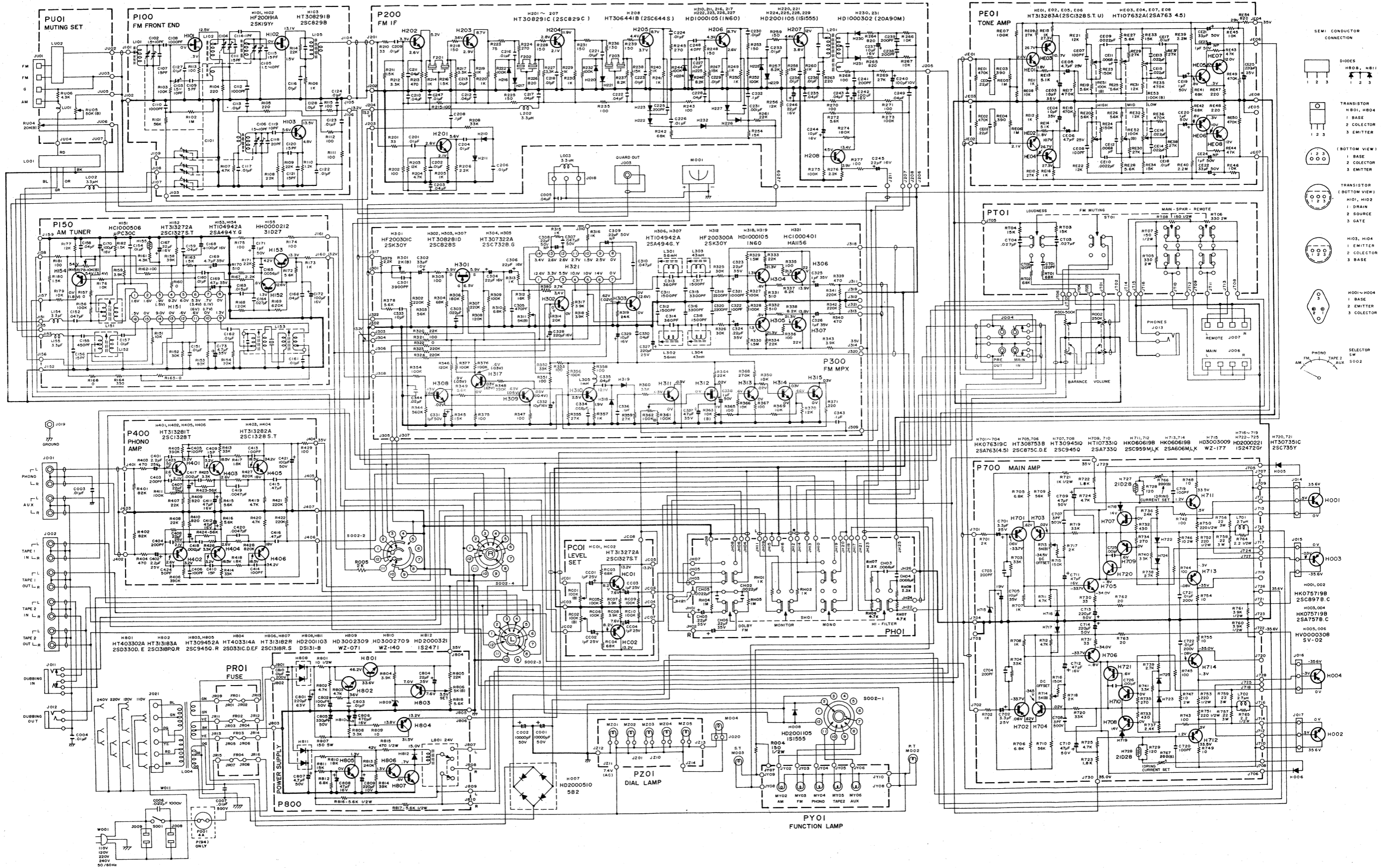
Figure 43. Voltage Conversion Chart

FTZ REGULATION

Instruction for the use in the range other than specified in FTZ codes

Achtung für die Leute, die in dem Gebiet wohnen, wo die FTZ-Bestimmungen vorherrschend sind.

Sollte das Gerät auch für Frequenzen ausserhalb des in den FTZ-Bestimmungen angegebenen Bereiches empfangsbereit sein, bitten wir, den Bereich durch Nachstellen des Kernes in der Oszillatorschule (in der Abbildung mit "FTZ" gekennzeichnet) so zu korrigieren, dass er den Bestimmungen entspricht.



TECHNICAL SPECIFICATIONS

AMPLIFIER SECTION

| | |
|---|--|
| Rated Power Output | 35 Watts per channel, continuous average power, both channels driven |
| Power Band | 20 Hz to 20 kHz |
| Total Harmonic Distortion | 0.25% |
| Load Impedance | 8 ohms |
| Intermodulation Distortion at rated power | 0.5% |
| Damping Factor | 45 |
| Frequency Response | 20 Hz to 20 kHz ± 1.0 dB |

PREAMPLIFIER SECTION

| | |
|---|------------------------------|
| Phono: | |
| Dynamic Range | 96 dB |
| Note: Dynamic Range is the ratio in dB of the phono input overload to equivalent input noise. | |
| Equivalent Input Noise | 1.5 μ V |
| Input Overload | 100 mV |
| Sensitivities (for rated power output) | |
| Phono | 1.8 mV |
| Tape | 180 mV |
| Main In | 1.0 V |
| Frequency Response (phono) | 30 Hz to 15 kHz ± 1.0 dB |
| Input Impedances | |
| Phono | 47 k ohms |
| Aux or Tape | 100 k ohms |
| Main In | 30 ohms |
| Tape Output Level | 775 mV |
| Ref.: 7.75 mV at phono input | |
| Signal to Noise Ratio | |
| Aux Input | 80 dB |
| Phono Input | 65 dB |
| Tone Controls | |
| Bass: 50 Hz | ± 10 dB |
| Mid: 700 Hz | ± 6 dB |
| Treble: 15 kHz | ± 10 dB |

FM TUNER SECTION

| | |
|---------------------------------|-------------|
| Sensitivity (DIN) | 2.1 μ V |
| Quieting Slope | |
| RF Input for 30 dB Quieting | 1.9 μ V |
| Quieting at 5 μ V RF Input | 52 dB |
| Quieting at 10 μ V RF Input | 58 dB |
| Quieting at 50 μ V RF Input | 68 dB |
| Total Harmonic Distortion | |
| Mono: | 0.3% |
| Stereo: | 0.5% |
| Selectivity (alternate carrier) | 65 dB |
| Capture Ratio | 1.5 dB |
| Stereo Separation at 1 kHz | 40 dB |
| Spurious Rejection | 95 dB |
| Image Rejection | 70 dB |
| IF Rejection | 90 dB |
| AM Suppression | 50 dB |

AM TUNER SECTION

| | |
|-------------|------------|
| Sensitivity | 20 μ V |
|-------------|------------|

GENERAL

| | |
|--|-------------------------|
| Power Requirements | 220 V \sim , 50/60 Hz |
| Power Consumption at rated output, both channels operation | 180 Watts |
| Idling Power (Volume Control at zero) | 30 Watts |
| Dimensions: | |
| Panel Width | 440 mm |
| Panel Height | 137 mm |
| Depth | 356 mm |
| Weight: | |
| Unit alone | 10.5 kg |
| Packed for shipment | 13.5 kg |